Appendix R

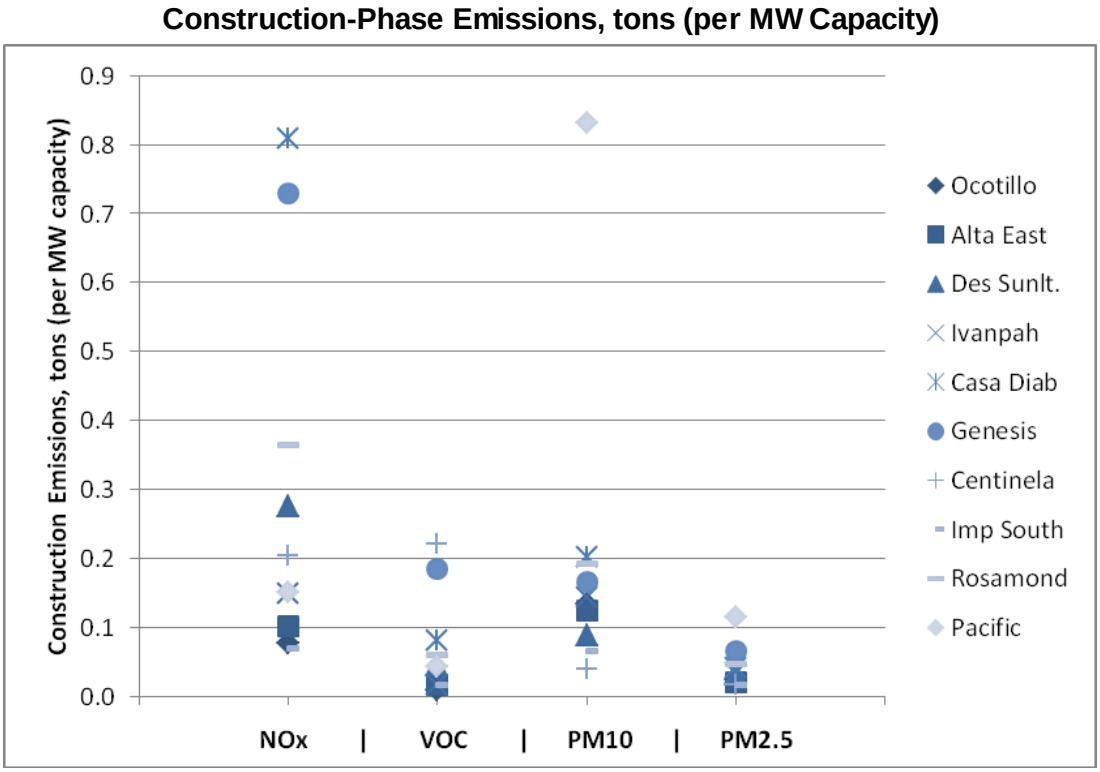
Data Supporting Volumes III and IV

Appendix R1.2 Air Quality

R1.2-1 Existing Projects' Construction-Phase Air Pollutant Emissions

Project	Technology Type	County	MW	Ac.	Total Const. (tons NO_x)	Total Const. (tons VOC)	Total Const. (tons PM_{10})	Total Const. (ton $PM_{2.5}$)
Ocotillo Express Wind	Wind	Imperial	315	12,436	24.01	3.08	42.11	7.75
Alta East Wind	Wind	Kern	300	2,592	30.34	4.88	37.51	6.29
Desert Sunlight Solar Farm	Solar PV	Riv	550	4,144	151.78	24.63	48.56	17.33
Ivanpah Solar Electric Generating	Solar Power Tower	San Bern	390	3,471	58	6.8	56	13
Casa Diablo[1]	Geothermal	Mono	33	17	26.67	2.67	6.67	1.33
Genesis NextEra	Solar Trough	Riv	250	1,950	182.2	46.13	41.49	16.28
Centinela Solar	Solar PV	Imperial	170	2,067	34.7	37.61	6.58	2.75
Imperial Solar Energy Center South	Solar PV	Imperial	130	946	8.93	2.18	8.65	2.06
Rosamond I and II	Solar PV	Kern	40	480	14.6	2.4	7.7	1.9
Pacific Wind Energy	Wind	Kern	140	8,300	21.11	5.91	116.37	16.16
Average Construction Emissions (ton) per MW Capacity					**Average (NOx ton)**	**Average (VOC ton)**	**Average (PM_{10} ton)**	**Average ($PM_{2.5}$ ton)**
Sum of Capacity (MW):			**2,318**		**0.29 per MW**	**0.07 per MW**	**0.20 per MW**	**0.04 per MW**

[1]Not a baseline project.



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Appendix R1.3 Meteorology and Climate Change

R1.3.1 Existing Projects' GHG Emissions

Project	Technology Type	County	MW	Construction ($MTCO_2e$ per year)	Operations ($MTCO_2e$ per year)	Decom-missioning ($MTCO_2e$ per year)	Combined Construction + Operation ($MTCO_2e$ per year)	Threshold	Estd. Production (MWh annual)[2]	Displaced Annual GHG emissions ($MTCO_2e$)[3]
Ocotillo Express Wind	Wind	Imperial	315	495.8	647.9	495.8 (or less)	1,639.5	7,000 $MTCO_2e$/year	921,690	346,940
Alta East Wind	Wind	Kern	300	184.5	332.0	184.5 (or less)	701	7,000 $MTCO_2e$/year	877,800	330,419
Desert Sunlight Solar Farm	Solar PV	Riverside	550	946	1,224.30	946 (or less)	3,116.3	11,023 $MTCO_2e$/year	1,200,000	451,701
Ivanpah Solar Electric Generating	Solar Power Tower	San Bernardino	390	232	194	not evaluated	426	10,000 $MTCO_2e$/year	960,000	361,361
Casa Diablo[1]	Geothermal	Mono	33	275.9	148.6	80.2	504.7	10,000 $MTCO_2e$/year	288,000	67,918
Genesis NextEra	Solar Trough	Riverside	250	52,974[4]	4,133.0	4,133 (or less)	0.007 $MTCO_2e$ /MWh	0.5 $MTCO_2e$ per MWh	600,000	225,850
Centinela Solar	Solar PV	Imperial	170	2,932[5]	825.5	2,932 (or less)	6,689.5	10,000 $MTCO_2e$/year	365,500	137,580
Imperial Solar Energy Center South	Solar PV	Imperial	130	2,281[5]	688.8	not evaluated	689	10,000 $MTCO_2e$/year	279,500	105,209
Rosamond I and II	Solar PV	Kern	40	78	5.6	255.4	339	7,000 $MTCO_2e$/year	86,000	32,372
Pacific Wind Energy	Wind	Kern	140	4,521.9[5]	982.8	not evaluated	982.8	Not Included	409,640	154,196
		Sum of Capacity (MW):	**2,318**	**Average Emissions (MTCO2e per year) per MW Capacity:**			**9.97 per MW**			

[1]Not a baseline project.
[2]2926 hours per MW assumed for Ocotillo Express and Alta East Wind Projects, 2150 hours per MW assumed for Centinela, Imperial and Rosamond Solar PV Projects.
[3]Displace GHG emissions derived from the CARB Staff Report: Initial Statement of Reasons for Proposed Regulation for a California Renewable Electricity Standard, Appendix D - 830 lbs per MWh for solar and wind & 520 lbs per MWh for geothermal.
[4]Emissions for the entire construction period (37 months).
[5]Not amortized or annualized.

R1.3-2 Climate Summaries

Cadiz Valley and Chocolate Mountains Ecoregion

The Cadiz Valley and Chocolate Mountains Ecoregion lies within the northern half of the Sonoran Desert Ecoregion. Table R1.3-1 below provides a summary of climate data representative of the ecoregion, as recorded at the Eagle Mountain station located within the central/southerly portion of the ecoregion.

Table R1.3-1
Monthly Climate Summary for Eagle Mountain Station, 1933 To 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	64.5	44.4	0.51	0.0	0
February	68.9	48.0	0.43	0.0	0
March	74.8	52.8	0.34	0.0	0
April	82.6	59.7	0.09	0.0	0
May	91.0	67.9	0.04	0.0	0
June	100.0	76.5	0.03	0.0	0
July	104.9	82.6	0.27	0.0	0
August	103.4	82.6	0.27	0.0	0
September	98.3	74.9	0.43	0.0	0
October	87.0	64.1	0.21	0.0	0
November	73.9	52.4	0.19	0.0	0
December	65.4	45.2	0.49	0.0	0
Annual	84.6	62.5	3.65	0.0	0

Source: WRCC, National Oceanic and Atmospheric Administration (NOAA) Cooperative Stations Climatological Data, 9/1/1933 to 2/27/2012. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca2598, on April 18, 2012.

Imperial and Borrego Valley Ecoregion

The Imperial and Borrego Valley Ecoregion lies within the southern half of the Colorado Desert Ecoregion. Table R1.3-2 below provides a summary of the climate data for the Imperial station located in the south-central portion of the ecoregion.

Table R1.3-2
Monthly Climate Summary for Imperial Station, 1901 To 2011

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	69.7	41.1	0.39	0.0	0
February	73.8	44.9	0.48	0.0	0
March	79.4	49.5	0.25	0.0	0
April	86.1	55.2	0.10	0.0	0
May	93.8	61.7	0.02	0.0	0
June	102.5	68.9	0.00	0.0	0
July	106.7	76.7	0.10	0.0	0
August	105.4	77.0	0.31	0.0	0
September	101.0	70.8	0.24	0.0	0
October	90.3	59.6	0.25	0.0	0
November	78.2	47.9	0.20	0.0	0
December	69.8	41.4	0.49	0.0	0
Annual	88.1	57.9	2.84	0.0	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 11/1/1901 to 12/31/2011. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca4223 on April 18, 2012.

Kingston and Funeral Mountains Ecoregion

The Kingston and Funeral Mountains Ecoregion occupies the northeast edge of the Mojave Desert Ecoregion. Table R1.3-3 below provides a summary of the climate data for the Shoshone station located in the north-central portion of the ecoregion.

Table R1.3-3
Monthly Climate Summary for Shoshone Station, 1972 To 2011

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	58.9	39.4	0.77	0.2	0
February	65.3	42.4	0.98	0.0	0
March	72.8	46.9	0.74	0.0	0
April	79.9	51.5	0.23	0.0	0
May	90.8	61.4	0.22	0.0	0
June	98.2	68.8	0.03	0.0	0
July	108.7	78.3	0.14	0.0	0

Table R1.3-3
Monthly Climate Summary for Shoshone Station, 1972 To 2011

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
August	105.7	74.8	0.30	0.0	0
September	99.4	69.2	0.27	0.0	0
October	85.1	56.9	0.26	0.0	0
November	74.1	48.3	0.33	0.0	0
December	58.8	38.0	0.52	0.0	0
Annual	83.1	56.3	4.79	0.2	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 12/1/1972 to 3/14/2011. http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8200, on April 23, 2012.

Mojave and Silurian Valley Ecoregion

The Mojave and Silurian Valley Ecoregion lies within the central portion of the Mojave Desert Ecoregion. Table R1.3-4 below provides a summary of the climate data from the Baker station located in the approximate center of the ecoregion.

Table R1.3-4
Monthly Climate Summary for Baker Station, 1971 To 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	63.2	34.6	0.47	0.0	0
February	68.7	39.4	0.71	0.0	0
March	76.8	45.6	0.53	0.0	0
April	84.3	51.6	0.20	0.0	0
May	94.8	61.2	0.12	0.0	0
June	104.8	70.2	0.07	0.0	0
July	110.3	77.0	0.23	0.0	0
August	107.9	75.1	0.47	0.0	0
September	100.1	67.1	0.38	0.0	0
October	72.6	42.8	0.31	0.0	0
November	72.6	42.8	0.31	0.0	0
December	62.4	33.9	0.41	0.0	0
Annual	86.1	54.4	4.15	0.0	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 12/1/1971 to 2/27/2012. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca0436, on April 20, 2012.

Owens River Valley Ecoregion

The Owens River Valley Ecoregion lies within the Eastern Sierra Nevada Ecoregion. Table R1.3-5 below provides a summary of the climate data for the Haiwee station located near the central portion of the ecoregion.

Table R1.3-5
Monthly Climate Summary for Haiwee Station, 1923 To 2013

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	52.0	29.1	1.08	1.4	0
February	56.7	32.7	1.30	1.1	0
March	63.1	37.2	0.86	0.6	0
April	70.5	43.5	0.34	0.1	0
May	79.6	51.4	0.22	0.0	0
June	89.1	59.2	0.09	0.0	0
July	95.6	65.8	0.23	0.0	0
August	93.9	63.9	0.29	0.0	0
September	87.2	57.3	0.27	0.0	0
October	75.8	47.2	0.29	0.0	0
November	62.2	36.5	0.55	0.7	0
December	52.7	30.1	0.99	0.9	0
Annual	73.2	46.1	6.5	4.9	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 5/1/1923 to 3/31/2013. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca3710 on June 12, 2013.

Panamint Death Valley Ecoregion

The Panamint Death Valley Ecoregion occupies the central–north portion of the Mojave Desert Ecoregion. Table R1.3-6 below provides a summary of the climate data for the Trona station located in the central portion of the ecoregion.

Table R1.3-6
Monthly Climate Summary for Trona Station, 1920 To 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	58.2	32.9	0.73	0.3	0
February	64.7	38.0	0.87	0.0	0

Table R1.3-6
Monthly Climate Summary for Trona Station, 1920 To 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip (in)	Average Total Snowfall (in)	Average Snow Depth (in)
March	71.4	43.6	0.47	0.0	0
April	79.2	50.0	0.17	0.0	0
May	88.5	58.3	0.09	0.0	0
June	98.4	66.0	0.07	0.0	0
July	105.5	73.3	0.11	0.0	0
August	103.3	71.8	0.20	0.0	0
September	96.3	64.1	0.19	0.0	0
October	83.8	52.8	0.17	0.0	0
November	69.1	40.4	0.34	0.0	0
December	58.3	33.2	0.52	0.0	0
Annual	81.4	52.0	3.94	0.3	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 1/1/1920 to 2/27/2012. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca9035, on April 24, 2012.

Pinto Lucerne Valley and Eastern Slopes Ecoregion

The Pinto Lucerne Valley and Eastern Slopes Ecoregion lies mostly within the Mojave Desert Ecoregion, but portions of this ecoregion along its southern boundary lie within the Southwestern California Ecoregion. Table R1.3-7 below provides a summary of the climate data for the Twentynine Palms station located in the central easterly portion of the ecoregion.

Table R1.3-7
Monthly Climate Summary For Twentynine Palms Station, 1935 To 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	62.7	35.9	0.50	0.5	0
February	67.4	38.9	0.42	0.0	0
March	73.9	43.2	0.37	0.0	0
April	81.7	49.5	0.12	0.0	0
May	90.7	57.4	0.07	0.0	0
June	99.9	65.1	0.01	0.0	0
July	105.1	72.1	0.54	0.0	0
August	103.1	70.8	0.74	0.0	0

Table R1.3-7
Monthly Climate Summary For Twentynine Palms Station, 1935 To 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip. (in)	Average Total Snowfall (in)	Average Snow Depth (in)
September	97.1	63.9	0.42	0.0	0
October	85.3	52.8	0.29	0.0	0
November	71.6	41.8	0.28	0.0	0
December	63.0	36.0	0.51	0.2	0
Annual	83.4	52.3	4.26	0.7	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 5/1/1935 to 2/26/2012. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca9099, on April 23, 2012.

Piute Valley and Sacramento Mountains Ecoregion

The Piute Valley and Sacramento Mountains Ecoregion largely lies within the far southeast part of the Mojave Desert Ecoregion but also overlaps the far northeast part of the Sonoran Desert Ecoregion. Table R1.3-8 below provides a summary of the climate data for the Needles FAA Airport station located in the far eastern part of the ecoregion.

Table R1.3-8
Monthly Climate Summary for Needles FAA Airport Station, 1948 to 2012

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	64.0	42.1	0.63	0.3	0
February	69.7	45.6	0.55	0.0	0
March	76.4	50.1	0.49	0.0	0
April	84.8	57.5	0.22	0.0	0
May	94.2	66.8	0.09	0.0	0
June	104.0	76.0	0.03	0.0	0
July	108.9	83.6	0.31	0.0	0
August	106.8	81.7	0.62	0.0	0
September	100.8	74.0	0.42	0.0	0
October	88.1	61.6	0.29	0.0	0
November	73.5	49.7	0.35	0.0	0
December	63.8	42.2	0.44	0.0	0
Annual	86.2	60.9	4.44	0.3	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 7/1/1948 to 2/26/2012. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca6118, on April 23, 2012.

Providence and Bullion Mountains Ecoregion

The Providence and Bullion Mountains Ecoregion lies within the east-central portion of the Mojave Desert Ecoregion. Table R1.3-9 below provides a summary of the climate data for the Mitchell Caverns station located in the eastern half of the ecoregion.

Table R1.3-9
Monthly Climate Summary for Mitchell Caverns Station, 1958 to 2011

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	54.2	38.3	1.26	0.6	0
February	56.4	39.7	1.64	0.4	0
March	61.3	43.0	1.23	0.6	0
April	68.8	48.1	0.55	0.2	0
May	78.4	57.0	0.23	0.1	0
June	88.2	66.4	0.09	0.0	0
July	93.5	72.1	0.80	0.0	0
August	91.3	70.3	1.37	0.0	0
September	85.1	64.7	0.76	0.0	0
October	74.4	55.7	0.66	0.0	0
November	62.2	45.0	0.68	0.2	0
December	54.6	38.4	1.18	1.0	0
Annual	72.3	53.2	10.45	3.3	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 3/11/1958 to 4/30/2011. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5721, on April 23, 2012.

West Mojave and Eastern Slopes Ecoregion

The West Mojave and Eastern Slopes Ecoregion lies within the west part of the Mojave Desert Ecoregion. Table R1.3-10 below provides a summary of the climate data for the Mojave weather station located in the central portion of the ecoregion.

Table R1.3-10
Monthly Climate Summary for Mojave Station, 1904 to 2010

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip (in)	Average Total Snowfall (in)	Average Snow Depth (in)
January	57.8	34.2	1.20	0.8	0
February	61.2	37.1	1.27	0.4	0

Table R1.3-10
Monthly Climate Summary for Mojave Station, 1904 to 2010

Month	Average Max Temp (F)	Average Min Temp (F)	Average Total Precip (in)	Average Total Snowfall (in)	Average Snow Depth (in)
March	64.7	41.0	0.93	0.2	0
April	71.3	46.3	0.30	0.0	0
May	79.9	55.1	0.09	0.0	0
June	89.9	63.8	0.03	0.0	0
July	97.7	69.8	0.11	0.0	0
August	96.4	68.0	0.15	0.0	0
September	89.0	60.3	0.21	0.0	0
October	78.5	50.3	0.24	0.0	0
November	65.7	40.2	0.53	0.1	0
December	57.2	32.9	0.87	0.2	0
Annual	75.8	49.9	5.93	1.7	0

Source: WRCC, NOAA Cooperative Stations Climatological Data, 1/1/1904 to 6/30/2010. Accessed http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5756, on April 20, 2012.

Appendix R1.4 Geology and Soils

Table R1.4-1
Regional Geology in the DRECP Area

Parent Material	Geologic Unit Name	Acres[1]
Gabbroic	Mesozoic gabbroic rocks	44,000
	Total	**44,000**
Granitic	Cenozoic (Tertiary) granitic rocks	64,000
	Mesozoic granitic rocks	2,493,000
	Paleozoic and Permo-Triassic granitic rocks	1,000
	Precambrian granitic rocks	198,000
	Undated granitic rocks	96,000
	Total	**2,852,000**
Granitic and Metamorphic	Granitic and metamorphic rocks, undivided, of Pre-Cenozoic age	110,000
	Total	**110,000**
Igneous and Metamorphic	Precambrian igneous and metamorphic rock complex	438,000
	Total	**438,000**
Metavolcanic	Mesozoic volcanic and metavolcanic rocks; Franciscan volcanic rocks	135,000
	Paleozoic metavolcanic rocks	222,000
	Undivided pre-Cenozoic metavolcanic rocks	12,000
	Total	**369,000**
Mixed Rock	Miocene marine	190,000
	Total	**190,000**
Sand Dune	Extensive sand dune deposits	707,000
	Total	**707,000**
Sedimentary	Alluvium (mostly Holocene, some Pleistocene) Quaternary nonmarine and marine	13,684,000
	Miocene marine	70
	Miocene nonmarine	150,000
	Oligocene nonmarine	400
	Paleocene marine	900
	Pliocene marine	42,000
	Plio-Pleistocene nonmarine, Pliocene nonmarine	709,000
	Selected large landslide deposits	4,000
	Tertiary nonmarine, undivided	302,000
	Total	**14,893,000**
Sedimentary and Metasedimentary	Carboniferous marine	35,000
	Cretaceous marine undivided	49,000
	Devonian marine	20,000
	Jurassic marine	1,000
	Limestone of probable Paleozoic or Mesozoic age	19,000
	Paleozoic marine, undivided	71,000
	Permian marine	11,000
	Precambrian rocks, undivided	806,000

Table R1.4-1
Regional Geology in the DRECP Area

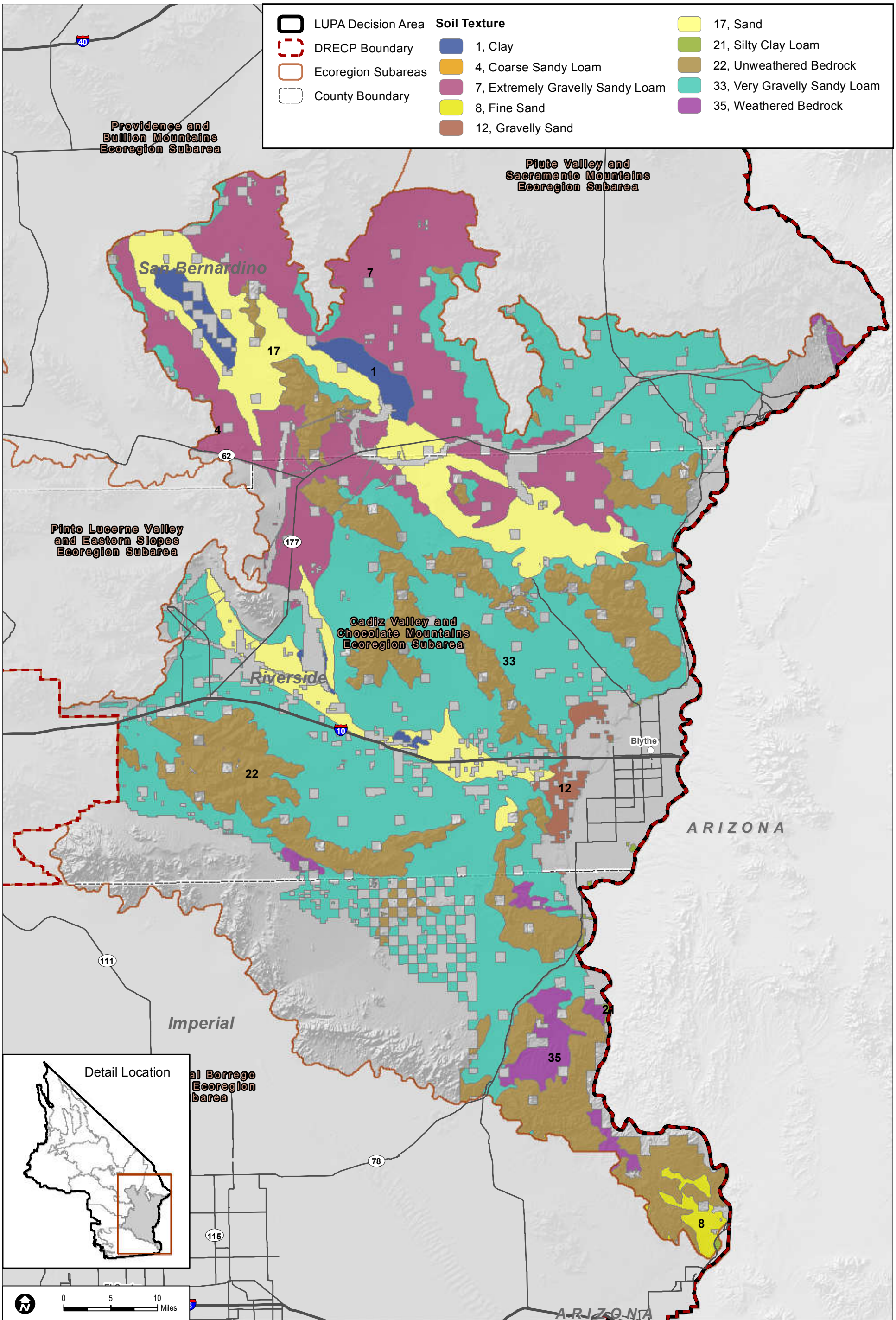
Parent Material	Geologic Unit Name	Acres[1]
	Schist of various types and ages (metasedimentary or metavolcanic	89,000
	Silurian and/or Ordovician marine	43,000
	Triassic marine	4,000
	Total	**1,147,000**
Volcanic	Quaternary volcanic flow rocks	143,000
	Quaternary pyroclastic rocks and volcanic mudflow deposits	20
	Recent (Holocene) pyroclastic rocks & volcanic mudflow deposits	2,000
	Recent (Holocene) volcanic flow rocks	58,000
	Tertiary intrusive rocks	124,000
	Tertiary pyroclastic rocks and volcanic mudflow deposits	205,000
	Tertiary volcanic flow rocks	1,089,000
	Total	**1,621,000**
Water	Water	215,000
	Total	**215,000**
	Grand Total	**22,587,000**

Source: California Department of Conservation 2010 as cited in Dudek and ICF 2012

Table R1.4-2
Soil Textures Mapped within the DRECP Area

Soil Texture	Acres
Clay	301,000
Clay loam	65,000
Coarse sand	6,000
Coarse sandy loam	871,000
Cobbly fine sandy loam	87,000
Cobbly sand	60,000
Extremely gravelly sandy loam	1,606,000
Fine sand	831,000
Fine sandy loam	479,000
Gravelly loam	10,000
Gravelly loamy coarse sand	195,000
Gravelly sand	47,000
Gravelly sandy loam	114,000
Loam	17,000
Loamy fine sand	732,000
Loamy sand	4,533,000
Sand	1,160,000
Sandy loam	1,051,000
Silt loam	2,000
Silty clay	223,000
Silty clay loam	692,000
Unweathered bedrock	4,190,000
Very channery loam	22,000
Very cobbly fine sandy loam	5,000
Very cobbly loamy sand	39,000
Very cobbly sandy loam	7,000
Very fine sandy loam	211,000
Very gravelly coarse sand	388,000
Very gravelly fine sandy loam	39,000
Very gravelly loam	50
Very gravelly loamy fine sand	13,000
Very gravelly loamy sand	347,000
Very gravelly sandy loam	3,231,000
Very gravelly silt loam	500
Weathered bedrock	822,000
Not Mapped	188,000
Total	**22,585,000**

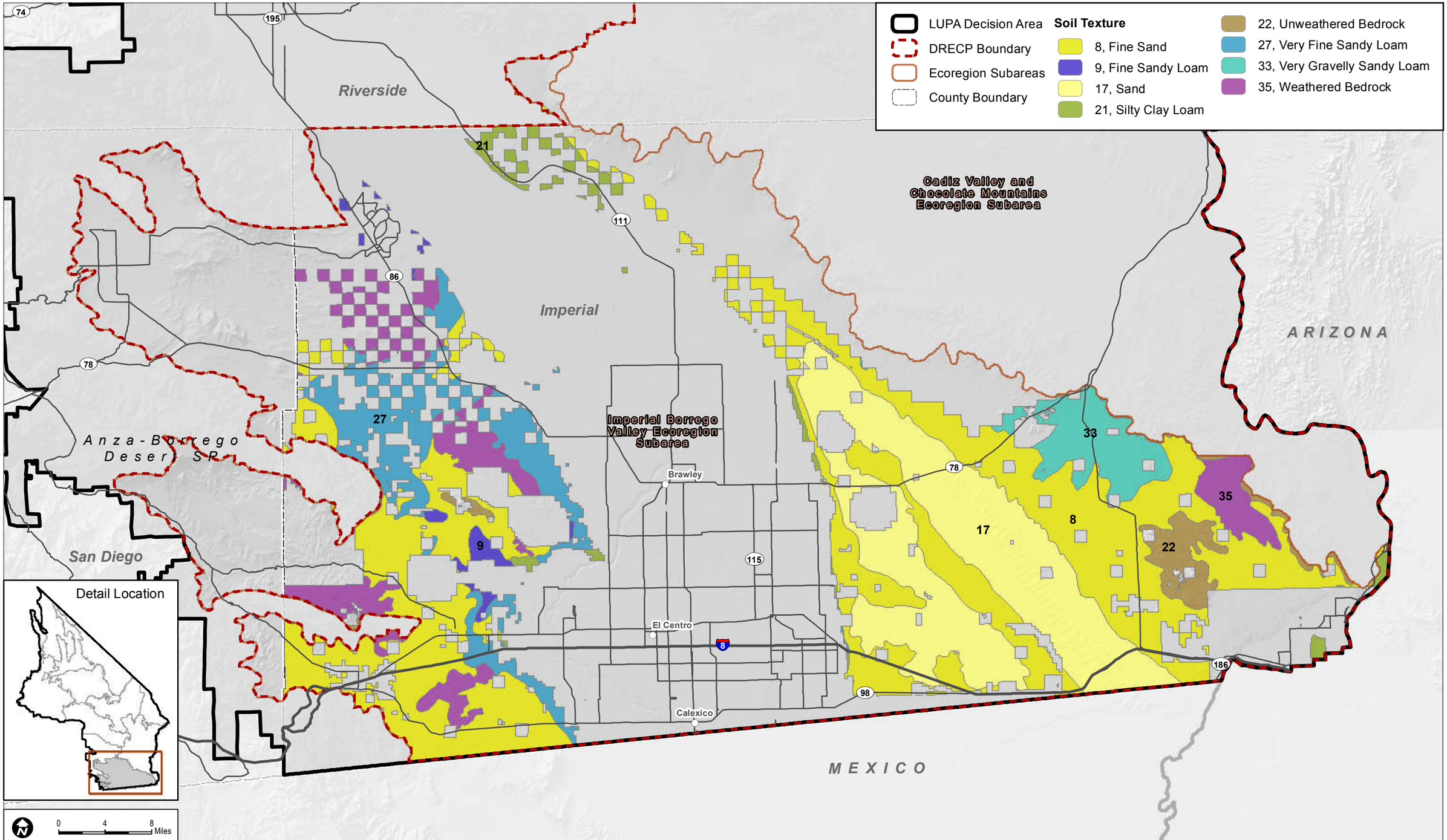
Source: Dudek and ICF 2012



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-1

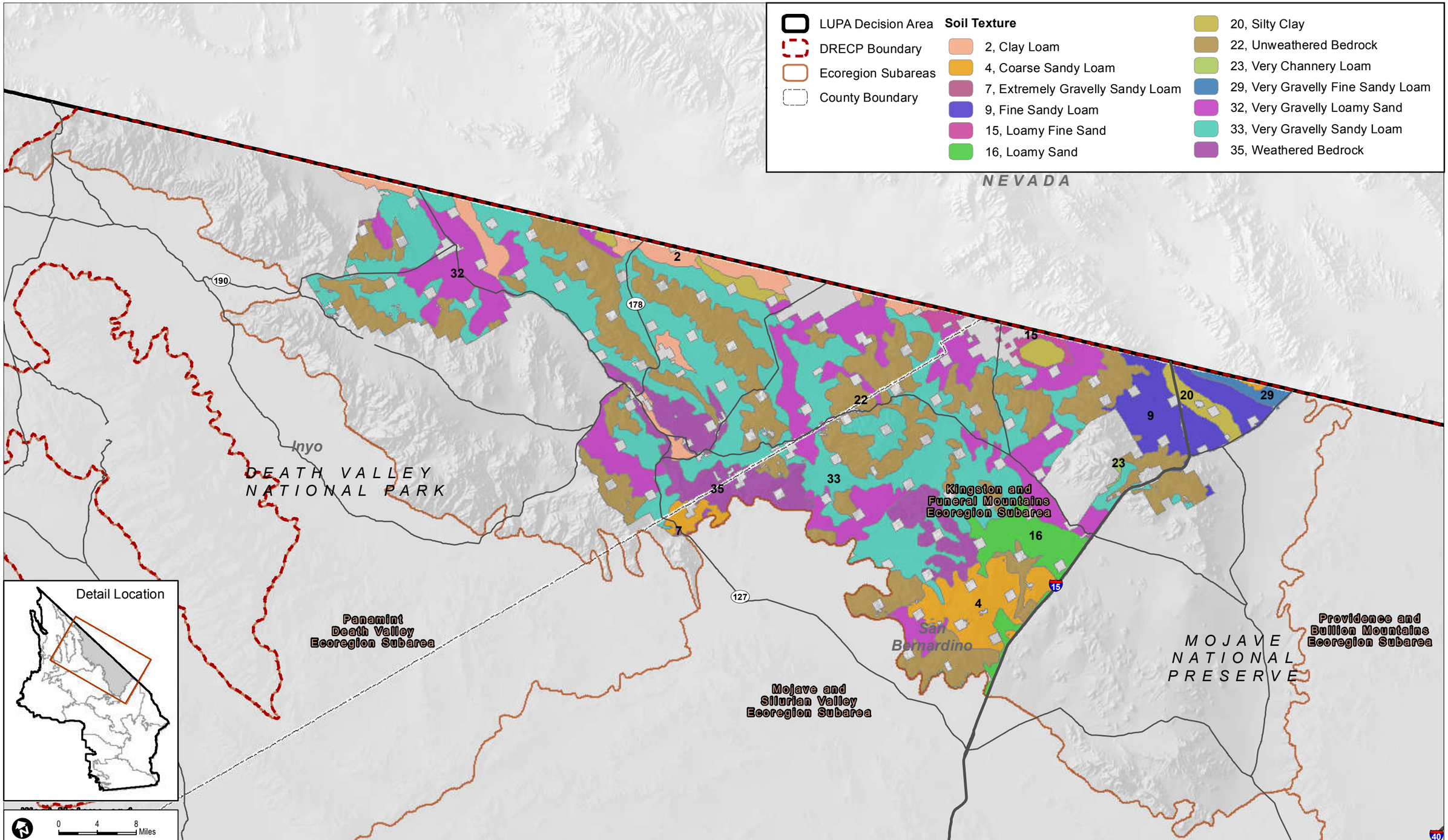
Soil Textures within the Cadiz Valley and Chocolate Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-2

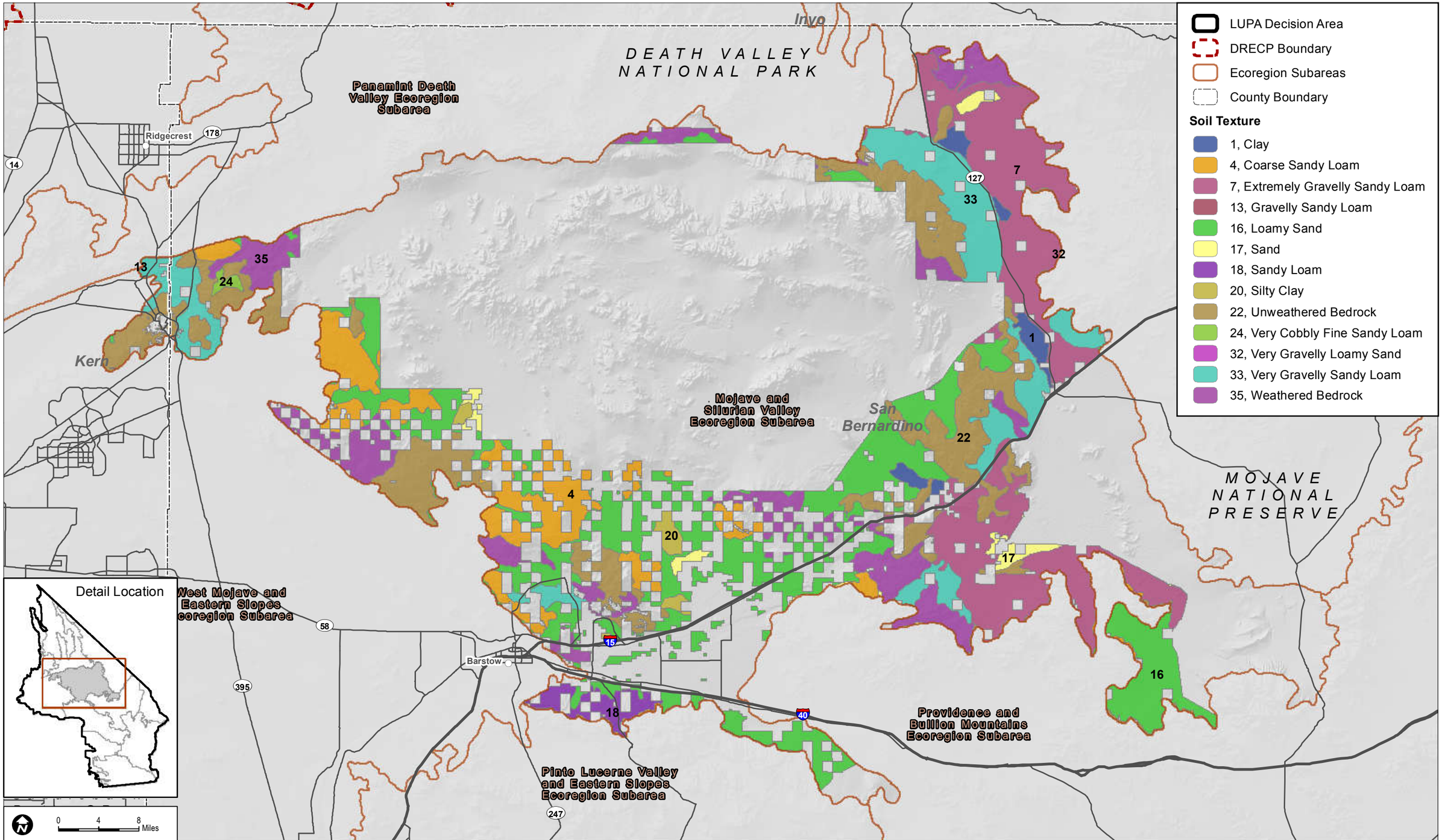
Soil Textures within the Imperial Borrego Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-3

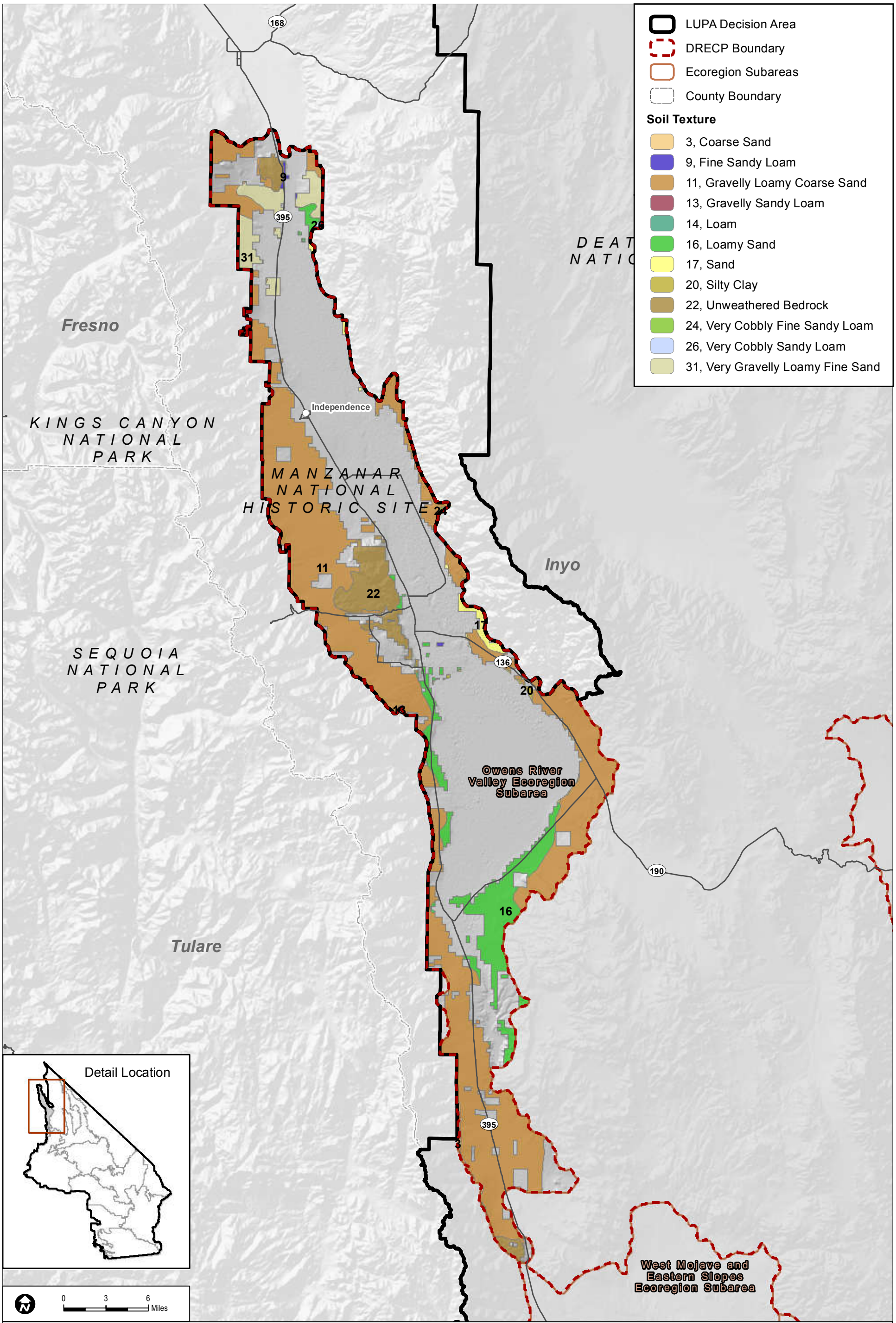
Soil Textures within the Kingston and Funeral Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-4

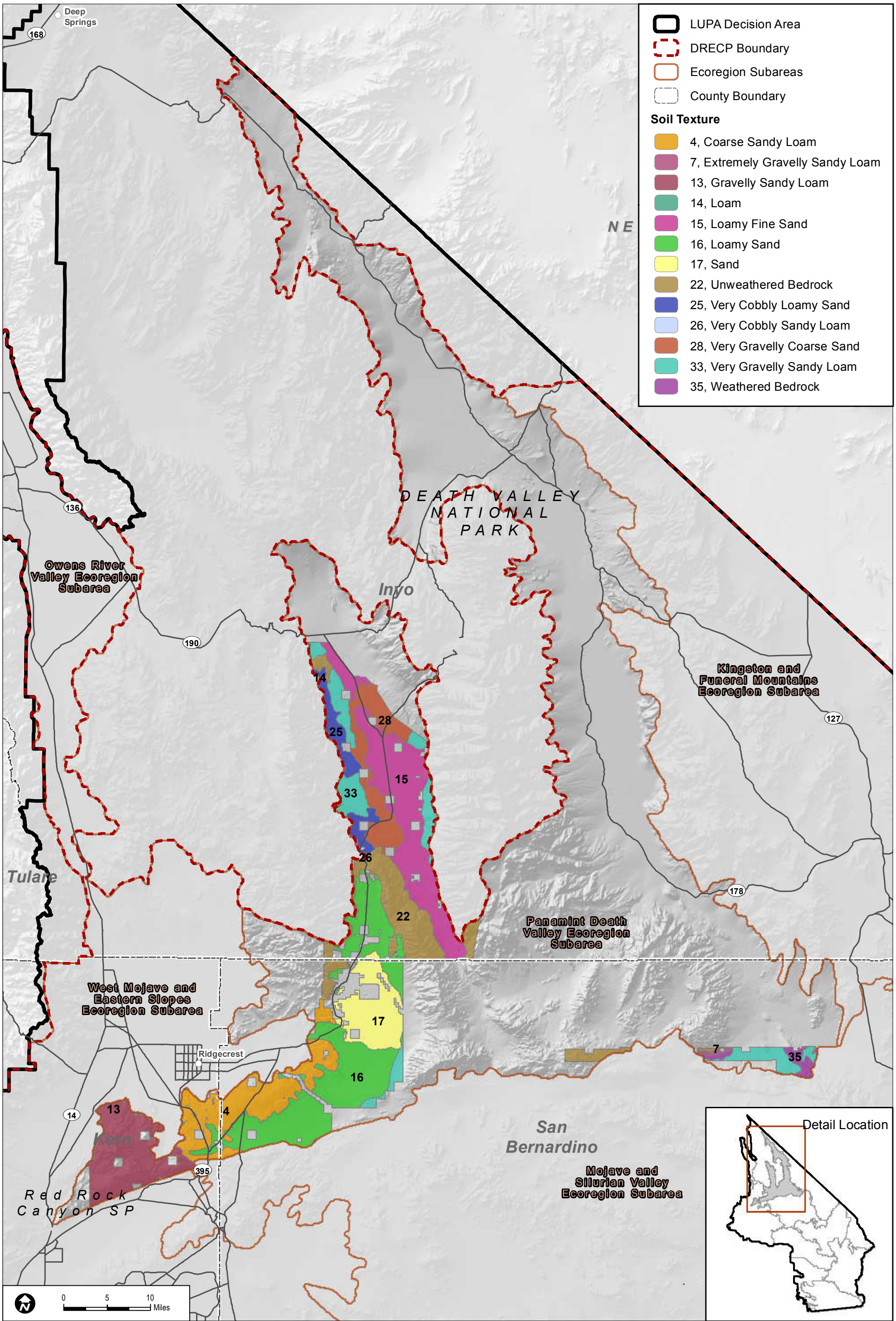
Soil Textures within the Mojave and Silurian Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-5

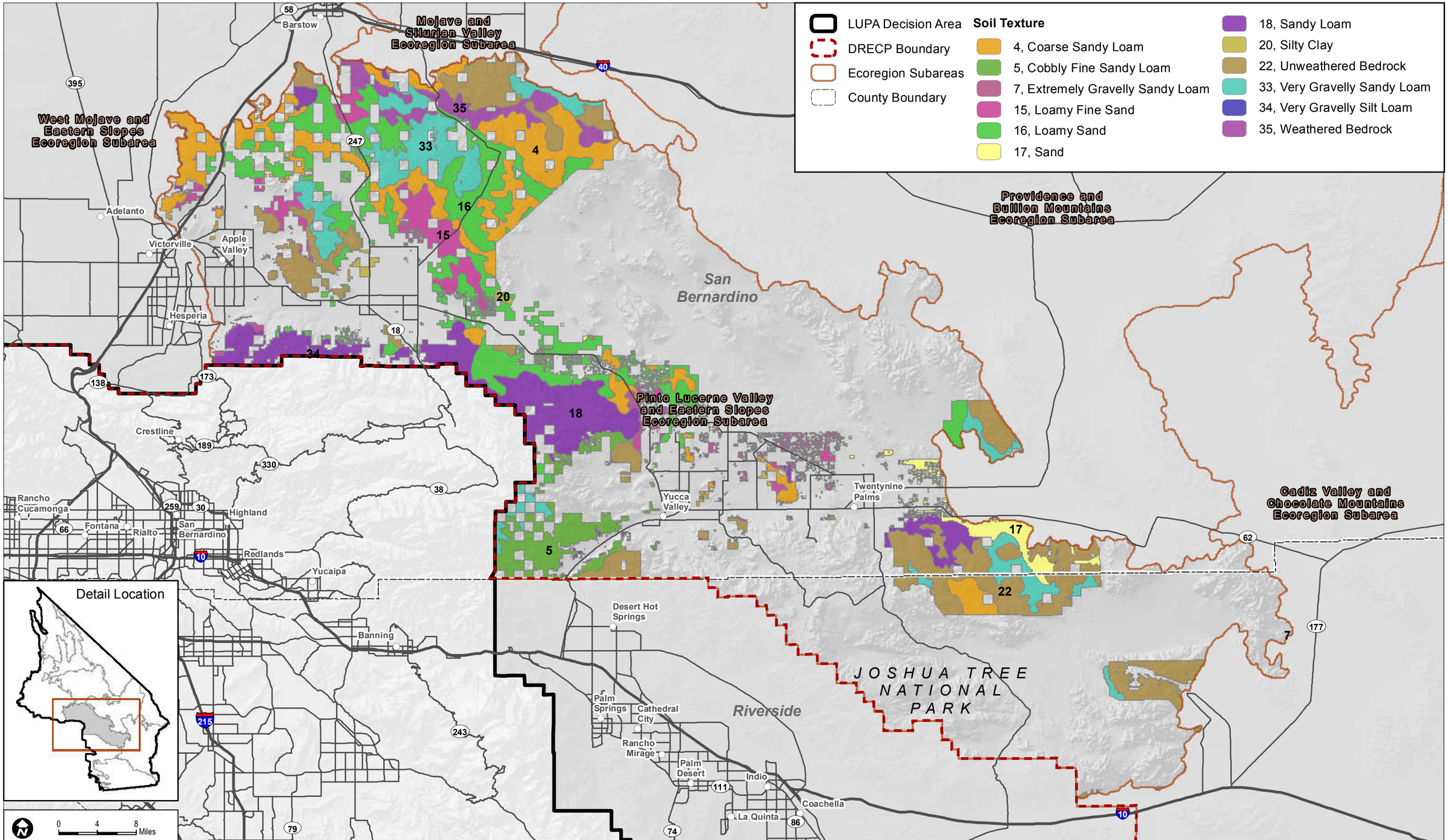
Soil Textures within the Owens River Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015): USDA (2011)

FIGURE R1.4-6

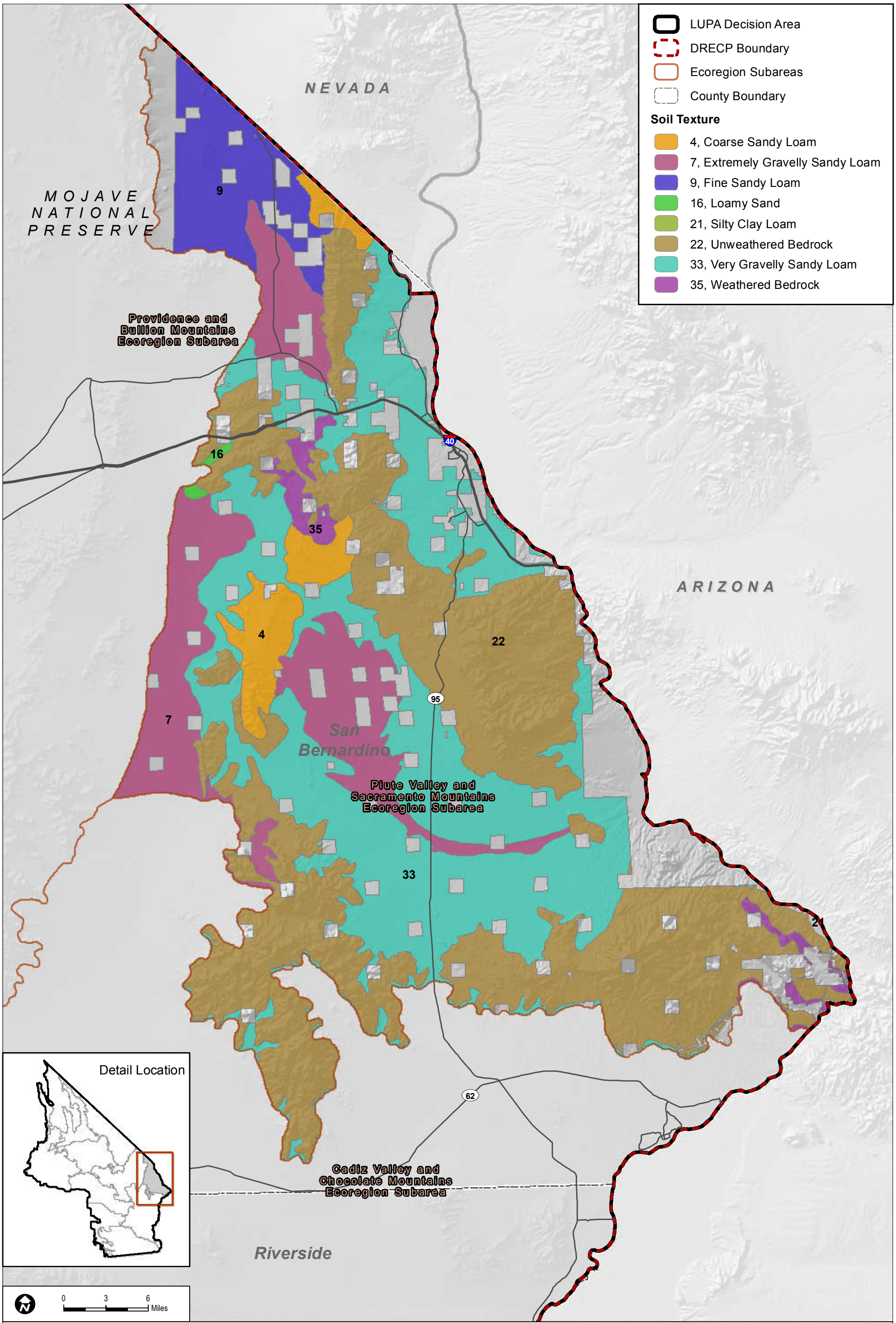
Soil Textures within the Panamint Death Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-7

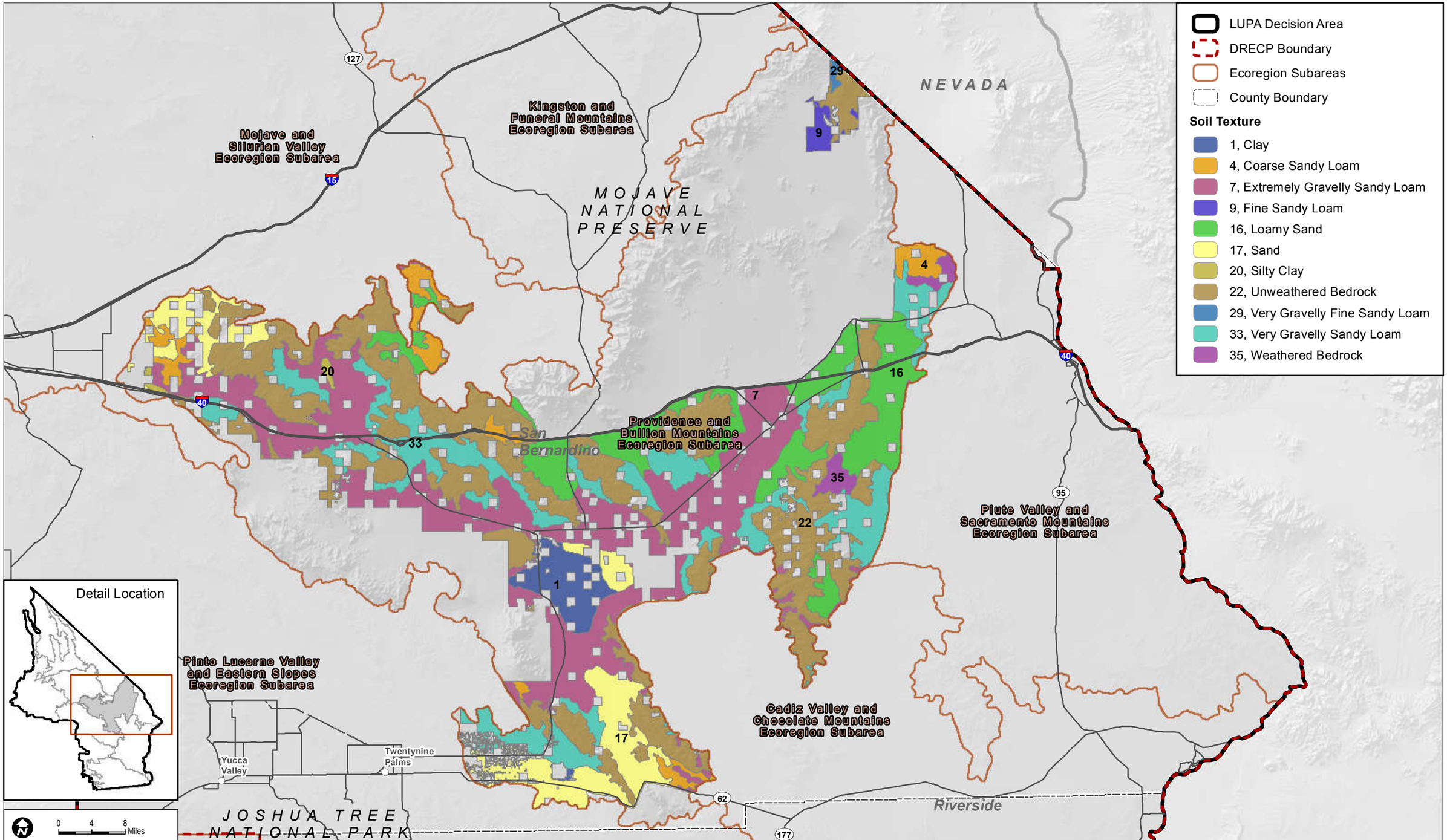
Soil Textures within the Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-8

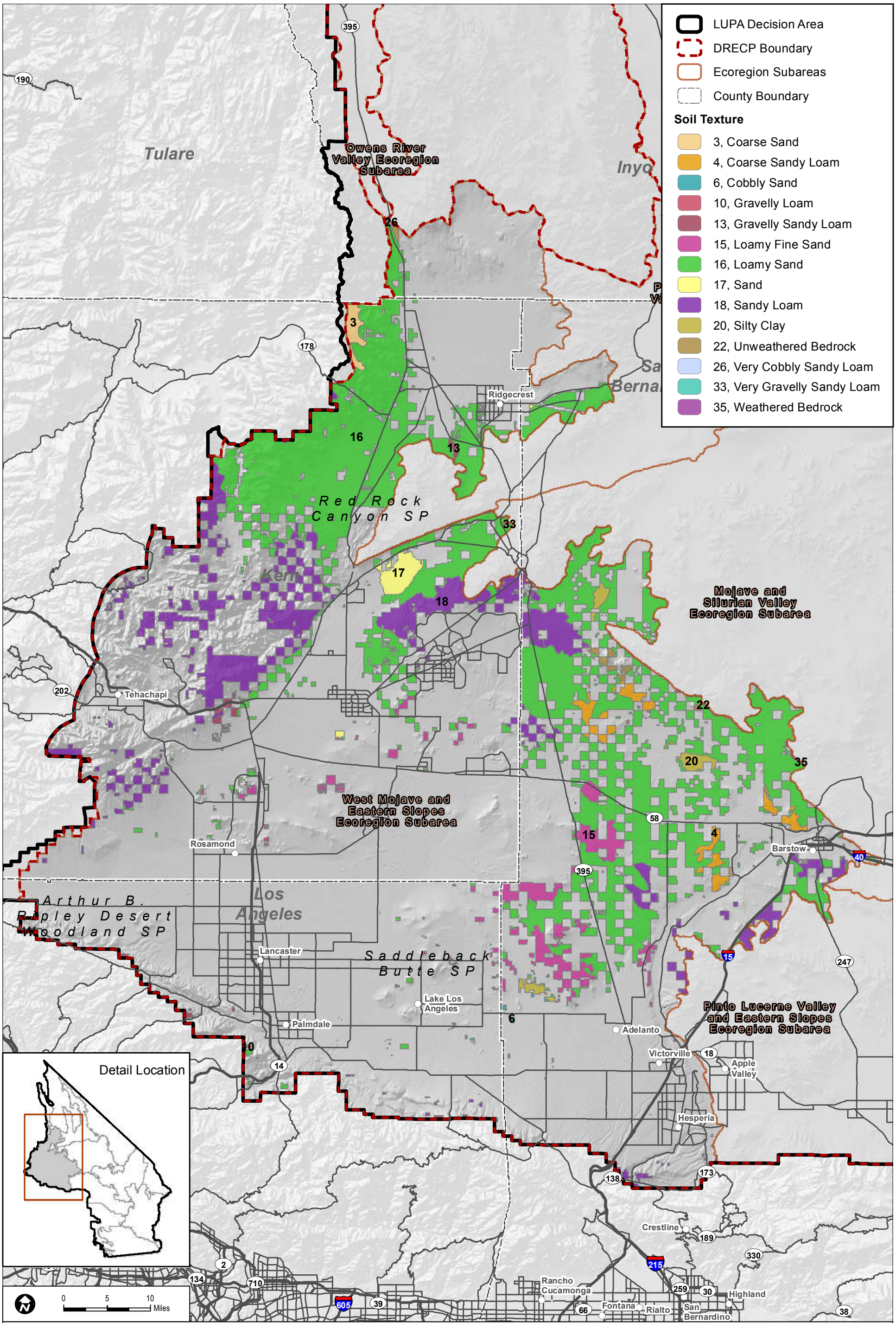
Soil Textures within the Piute Valley and Sacramento Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-9

Soil Textures within the Providence and Bullion Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015); USDA (2011)

FIGURE R1.4-10

Soil Textures within the West Mojave and Eastern Slopes Ecoregion Subarea

Appendix R1.5 Flood Hazard, Hydrology, and Drainage

Table R1.5-1
Historic Range of Discharges for Gaged Streams in the DRECP Area

USGS Station ID and Site #	Name/Location	County	Drainage Area (sq.mi.)	Historic Instantaneous Peak Discharge (cfs) & Date	Historic Maximum Mean Daily Discharge (cfs)	Historic Minimum Mean Daily Discharge (cfs)
10254970 2964	New River at International Boundary at Calexico, CA	Imperial Salton Sea	N.A.	833 9-25-97	833	46
09427520 4688	Colorado River below Parker Dam, AZ–CA	San Bernardino Lower Colorado	182,700	42,400 2-8-37	40,400	1,350
09429010 3999	Colorado River at Palo Verde Dam, CA–AZ.	Riverside Lower Colorado	186,200	42,300 6-30-83	42,300	1,260
09429100	Colorado River below Palo Verde Dam, AZ–CA	Riverside Lower Colorado	186,200	42,300 6-30-83	42,300	875
09429490	Colorado River above Imperial Dam, AZ–CA	Imperial Lower Colorado	188,500	40,800 8/18/83	40,700	538
09429500	Colorado River below Imperial Dam, AZ–CA	Imperial Lower Colorado	188,500	NA	30,200	27
10255885	San Felipe Creek near Westmorland, CA	Imperial	1,693	100,000 9-10-76	17,100 9-10-76	0
10253540	Corn Springs Wash near Desert Center, CA	Riverside	24.1	10,500 10-3-68	450 10-3-68	0
10253600	Eagle Creek above Eagle Mountain, CA	Riverside	7.71	380 8-23-61	20	0
10253320	Quail Wash near Joshua Tree, CA	San Bernardino	100	930 1-10-78	1.8	0
10253350	Fortynine Palms Creek near Twentynine Palms, CA	San Bernardino	8.55	1,240 8-7-63	69	0
09428530	Arch Creek near EARP, CA	San Bernardino	1.52	7,160 8-19-71	300	0
10260200	Pipes Creek near Yucca Valley, CA	San Bernardino	15.1	640 3-4-78	53	0
09428200	Copper Basin Wash below Copper Basin Reservoir	San Bernardino	11.6	NA	35	0
09427800	Eureka Wash near Parker Dam, AZ–CA	San Bernardino	1.67	NA	3.9	0.04
09427600	Desilt Wash near Parker Dam, AZ–CA	San Bernardino	0.43	NA	3.0	0.66

Table R1.5-1
Historic Range of Discharges for Gaged Streams in the DRECP Area

USGS Station ID and Site #	Name/Location	County	Drainage Area (sq.mi.)	Historic Instantaneous Peak Discharge (cfs) & Date	Historic Maximum Mean Daily Discharge (cfs)	Historic Minimum Mean Daily Discharge (cfs)
09424170	Gene Wash below Gene Wash Reservoir near Parker Dam, AZ–CA	San Bernardino	6.79	NA	2.0	0.11
10260950	West Fork Mojave River above Mojave River Forks Reservoir near Hesperia, CA	San Bernardino Mojave River	70.3	11,700 1-11-05	7,630 1-11-05	0
10260400	Cushenbury Creek near Lucerne, CA	San Bernardino	6.36	530 2-25-69	108	0
10263630	Big Rock Creek above Pallett Creek near Valyermo, CA	Los Angeles Antelope Valley	34.4	2,800 1-9-05	1,600	0.06
10263665	Pallett Creek at Big Rock Creek near Valyermo CA	Los Angeles Antelope Valley	15.1	1,330 1-9-05	300	0
10263675	Big Rock Creek Wash at Hwy 138 near Llano, CA	Los Angeles	53.1	NA	566	0
09424050	Chemehuevi Wash Tributary near Needles, CA	San Bernardino	2.04	114 9-26-62	5.0	0
10253080	Sunflower Wash near Essex, CA	San Bernardino	3.31	972 9-18-63	70	0
10261500	Mojave River at Lower Narrows near Victorville, CA	San Bernardino Mojave River	513	70,600 3-2-38	21,000	0
10264530	Pine Creek near Palmdale, CA	Los Angeles Antelope Valley	1.78	120 2-18-93	15	0
10264520	Amargosa Creek Tributary near Leona Valley, CA	Los Angeles	0.05	19 11-29-70	NA	0
10264555	Estates Creek near Quartz Hill, CA	Los Angeles	0.10	NA	8.9	0
10261800	Beacon Creek at Helendale, CA	San Bernardino	0.72	360 8-7-68	1.7	0
10264560	Spencer Canyon Creek near Fairmont, CA	Los Angeles Antelope Valley	3.68	846 1-10-05	12	0
10261900	Mojave River above West Crossing near Helendale, CA	San Bernardino	958	32,200 2-25-69	17,000	0
10262000	Mojave River near Hodge, CA	San Bernardino	1091	12,700 2-10-78	9,430	0
10262500	Mojave River at Barstow, CA	San Bernardino Mojave River	1290	64,300 3-3-38	18,100 3-3-38	0
10263000	Mojave River at Afton, CA	San Bernardino Mojave River	2121	18,000 1-26-69	10,000 2-20-93	0

Table R1.5-1
Historic Range of Discharges for Gaged Streams in the DRECP Area

USGS Station ID and Site #	Name/Location	County	Drainage Area (sq.mi.)	Historic Instantaneous Peak Discharge (cfs) & Date	Historic Maximum Mean Daily Discharge (cfs)	Historic Minimum Mean Daily Discharge (cfs)
10264590	Cottonwood Creek near Rosamond, CA	Kern	35.7	260 2-25-69	11	0
10264650	Bissell Hills Creek at Edwards Air Force Base, CA	Kern	0.76	0.30	0.10	0
10262600	Boom Creek near Barstow, CA	San Bernardino Mojave River	0.24	131 10-18-05	2.2	0
10264660	Mojave Creek at Rosamond Blvd at Edwards, CA	Kern	175	42 7-10-99	6.8 2-13-01	0
10264658	Mojave Creek at Forbes Ave at Edwards Air Force Base, CA	Kern	168	13 8-1-00	0.56	0
10264675	Rogers Lake Tributary at Edwards Air Force Base, CA	Kern	1.73	11 2-12-92	2.5	0
10264605	Joshua Creek near Mojave, CA	Kern	3.83	2,540 8-16-65	2.1	0
10264600	Oak Creek near Mojave, CA	Kern	15.8	1,740 5-14-73	413	
10264740	Cache Creek near Mojave, CA	Kern	96.5	2,100 6-7-72	130 6-7-72	0
11196420	Tehachapi Creek near Tehachapi, CA	Kern	53.2	5,560 3-1-83	2,030	0
10264750	Pine Tree Creek near Mojave, CA	Kern	34.2	30,000 8-23-61	750	0
10252550	Caruthers Creek near Ivanpah, CA	San Bernardino	0.84	NA	NA	NA
10264770	Cottonwood Creek near Cantil, CA	Kern	163	5,150 8-8-63	49	0
10264710	Goler Gulch near Randsburg, CA	Kern	41.3	776 2-25-69	15	0
10252330	Wheaton Wash near Mountain Pass, CA	San Bernardino	10.2	NA	0	0
10252300	China Spring Creek near Mountain Pass, CA	San Bernardino	0.94	113 8-5-64	2.4 8-5-64	0
10251259	Amargosa River At Highway 127 near CA-NV State Line	Inyo Northern Mojave	1,542	660 9-22-07	25	0
10251300	Amargosa River at Tecopa, CA	Inyo Northern Mojave	3,090	10,600 8-19-83	1,500	0
10251375	Amargosa River at Dumont Dunes near Death Valley, CA	San Bernardino	3,284	800 9-12-99	40	0

Table R1.5-1
Historic Range of Discharges for Gaged Streams in the DRECP Area

USGS Station ID and Site #	Name/Location	County	Drainage Area (sq.mi.)	Historic Instantaneous Peak Discharge (cfs) & Date	Historic Maximum Mean Daily Discharge (cfs)	Historic Minimum Mean Daily Discharge (cfs)
10251350	Horsethief Creek near Tecopa, CA	San Bernardino	3.06	850 9-6-69	18 9-6-69	0
10264870	Little Lake Creek near Little Lake, CA	Inyo	8.29	7.0 8-4-64	0.60	0
10277400	Owens River below Tinemaha Reservoir near Big Pine, CA	Inyo	1,964	1,050 8-24-83	1,050	5
10277500	Owens River near Big Pine, CA	Inyo	1,976	3,220 1-26-14	2,890 1-26-14	7
10285700	Owens River at Keeler Bridge near Lone Pine, CA	Inyo	2,604	1,360 6-19-69	1,350	0
10285500	Tuttle Creek near Lone Pine, CA	Inyo	14.7	85 5-21-07	36	4
10251100	Salt Creek near Stovepipe Wells, CA	Inyo	N.A.	363 2-9-76	58	.05
10282000	Independence Creek near Independence, CA	Inyo	18.8	144 7-9-06	140	2.0
10281500	Oak Creek near Independence, CA	Inyo	26.9	234 7-3-09	234	5.5
10278500	Goodale Creek near Aberdeen, CA	Inyo	11.2	27 7-2-09	27	2.0
10278000	Taboose Creek near Aberdeen, CA	Inyo	11.5	56 7-14-06	46	1.4
10276500	Tinemaha Creek near Big Pine, CA	Inyo	27.3	66 6-25-09	66	1.8
10277000	Birch Creek near Big Pine, CA	Inyo	10.8	77 7-3-09	77	0.5

USGS = U.S. Geological Survey
NA = Not Available
Reference: USGS 2012

Appendix R1.8 Cultural Resources

Table R1.8-1
List of Primary Surveys or Overviews Completed for the CDCA Plan.[1]

Author	Title	Year	Survey Acres	Site types	Cultural Resources Sensitivity Areas	Total Study Area Acres
Von Till Warren, Elizabeth, Robert H. Crabtree, Claude N. Warren, Martha Knack, and Richard McCarty	A Cultural Resources Overview of the Colorado Desert Planning Units	1981	n/a	full range, fish traps, trails	Lake Cahuilla, Colorado River, eastern slopes of the Peninsular Range, higher elevations where springs were located	7,040,000
Stickel, E. Gary, Lois J. Weinman-Roberts, Rainer Berger, and Pare Hopa	An Overview of the Cultural Resources of the Western Mojave Desert	1979	n/a	775 full range prehistoric, 75 historic	not identified	2,350,000
Warren, Claude N., Martha Knack, and Elizabeth von till Warren	A Cultural Overview for the Amargosa-Mojave Basin Planning Units	1980	n/a	full range, turquoise mines	saltbush-sand dunes, along valley floors where water occurs or occurred in the past and where mesquite is found nearby (full range); at higher elevations where blackbush, Joshua, pinon, and juniper trees (specialized)	2,700,000
Coombs, Gary B., Richard McCarty, Tara Shepperson, and Sharon Dean	The Archaeology of the Western Mojave	1979	0.6% of total (8480?)	130 full range	playa valleys, Mojave River valley, other valleys, springs, mountains	1,400,000
Coombs, Gary B., Robert H. Crabtree, and Elizabeth Warren	The Archaeology of the Northeast Mojave Desert	1979	1% of total (1,720)	187 full range	valley floor, upper pediment,	1,700,000

[1] Table includes the primary surveys and overviews, but is not all inclusive.

Table R1.8-1
List of Primary Surveys or Overviews Completed for the CDCA Plan.[1]

Author	Title	Year	Survey Acres	Site types	Cultural Resources Sensitivity Areas	Total Study Area Acres
Garfinkel, Alan P.	A Cultural Resource Management Plan for the Fossil Falls/Little Lake Locality	1976	160	49	Pleistocene river channels northwest of Fossil Falls, Red Hills Playa, easterly facing lava faces	160
Kaldenberg, Russell L.	The Prehistory and Management of Cultural Resources in the Red Mountain Area.	1981	n/a	full range	El Paso Mountains, near Black Canyon, desert-facing slopes, northern Tehachapi Mtns., pluvial shorelines	1,600,000
Gallegos, Dennis	Class II Cultural Resource Inventory of the East Mesa and West Mesa Regions	1980	6,160	164 full range without rock art & rock shelter	Lake Cahuilla shoreline, Pinto Wash, sand bar east of the 40' contour in East Mesa, springs	251,200
Norwood, Richard H., Charles S. Bull, and Ronald Quinn	A Cultural Resources Overview of the Eureka, Saline, Panamint, and Darwin Region, East Central, California	1980	20,560	326 full range (64 in Panamint, 90 in Darwin	Not identified	1,850,000 *
Davis, Emma Lou, Kathyrn H. Brown and Jacqueline Nichols	Evaluation of Early Human Activities and Remains in the California Desert	1980	not specified	all types throughout Southern CA desert	Pinto Basin, Yuha Desert, Calico, Panamint and Death Valleys, and Bristol, Cadiz, Owens, Silver, Soda, China and Searless Lakes.	6,390,984

* Approximately 375,000 acres overlap with the DRECP within Panamint and Darwin Planning Units.

Table R1.8-2
Summary of Cultural Resource Site Types and NRHP Status by DRECP Ecoregion Subarea*

Ecoregion Subarea/ NR Status	Prehistoric	Historic	Multi-Component	Unknown Type	Isolate	Total	Acres Surveyed	Percent Surveyed	CR Density
Cadiz Valley and Chocolate Mountains									
Unknown Status	279	684	70	2,227	0	3,260			
Not Evaluated	39	41	5	1	0	86			
Ineligible	12	53	8	0	1,814	1,887			
Eligible	7	7	3	0	0	17			
Listed	2	0	0	0	0	2			
Subtotal	339	785	86	2,228	1,814	5,252	83,700	2.7%	0.04
Imperial Borrego Valley									
Unknown Status	474	128	64	5,254	0	5,920			
Not Evaluated	2	2	0	0	0	4			
Ineligible	0	0	0	0	13	13			
Eligible	243	30	23	13	0	309			
Listed	0	0	0	0	0	0			
Subtotal	719	159	87	5,199	13	6,246	446,272	18.5%	0.01
Kingston and Funeral Mountains									
Unknown Status	1	8	1	1,936	0	1,946			
Not Evaluated	0	0	0	0	0	0			
Ineligible	0	0	0	0	0	0			
Eligible	0	0	0	0	0	0			
Listed	0	0	0	0	0	0			
Subtotal	1	8	1	1,936	0	1,946	64,556	2.6%	0.03
Mojave and Silurian Valley									
Unknown Status	0	6	0	3,890	0	3,896			
Not Evaluated	134	237	14	0	0	385			
Ineligible	2	1	0	0	12	15			
Eligible	1	3	0	0	0	4			
Listed	2	0	0	0	0	2			

Table R1.8-2
Summary of Cultural Resource Site Types and NRHP Status by DRECP Ecoregion Subarea*

Ecoregion Subarea/ NR Status	Prehistoric	Historic	Multi-Component	Unknown Type	Isolate	Total	Acres Surveyed	Percent Surveyed	CR Density
Subtotal	139	247	14	3,890	12	4,302	372,848	14.1%	0.01
Owens River Valley									
Unknown Status	8	45	0	1,239	0	1,292			
Not Evaluated	223	85	118	3	0	432			
Ineligible	5	7	1	0	7	20			
Eligible	24	5	4	0	0	33			
Listed	1	0	0	0	0	1			
Subtotal	263	143	123	1,242	7	1,778	1,005	0.2%	1.76
Panamint Death Valley									
Unknown Status	1	13	0	2,178	0	2,192			
Not Evaluated	225	48	11	0	0	284			
Ineligible	2	28	0	0	24	54			
Eligible	22	3	1	0	0	26			
Listed	0	0	0	0	0	0			
Subtotal	250	92	12	2,178	24	2,556	79,528	4.1%	0.03
Pinto Lucerne Valley and Eastern Slopes									
Unknown Status	16	59	1	2,140	0	2,216			
Not Evaluated	0	1	1	0	0	2			
Ineligible	1	2	0	0	1	4			
Eligible	0	0	0	0	0	0			
Listed	0	0	0	0	0	0			
Subtotal	17	62	2	2,140	1	2,222	171,030	7.4%	0.01
Piute Valley and Sacramento Mountains									
Unknown Status	3	2	0	993	0	998			
Not Evaluated	0	0	0	0	0	0			
Ineligible	0	0	0	0	0	0			
Eligible	0	0	0	0	0	0			

Table R1.8-2
Summary of Cultural Resource Site Types and NRHP Status by DRECP Ecoregion Subarea*

Ecoregion Subarea/ NR Status	Prehistoric	Historic	Multi-Component	Unknown Type	Isolate	Total	Acres Surveyed	Percent Surveyed	CR Density
Listed	0	0	0	0	0	0			
Subtotal	3	2	0	993	0	998	33,041	3.0%	0.03
Providence and Bullion Mountains									
Unknown Status	2	6	1	3,603	0	3,612			
Not Evaluated	0	0	0	0	0	0			
Ineligible	0	0	0	0	0	0			
Eligible	0	0	0	0	0	0			
Listed	0	0	0	0	0	0			
Subtotal	2	6	1	3,603	0	3,612	194,273	7.4%	0.02
West Mojave and Eastern Slopes									
Unknown Status	36	35	0	5,957	0	6,028			
Not Evaluated	750	243	37	0	0	1,030			
Ineligible	57	36	5	0	119	217			
Eligible	53	12	8	0	0	73			
Listed	2	0	0	0	0	2			
Subtotal	898	326	50	5,957	119	7,350	179,246	4.9%	0.04
Total	**2,631**	**1,831**	**376**	**29,434**	**1,990**	**36,262**	**1,625,500**	**7.2%**	

* Total acreage for each Ecoregion Subarea can be found in Table II.1-33 in Volume II, Chapter 1, Section II.1.1.3.1.3.

Table R1.8-3
List of NRHP, California Landmarks, CRHR, and Points of Interest within the DRECP Area

Name	County	National Register	California Historical Landmark	California Register	POHI
Calexico Carnegie Library	Imperial	1		1	
Camp Pilot Knob (Desert Training Center)	Imperial		1	1	
Camp Salvation	Imperial		1	1	
Crucifixion Thorn	Imperial				1
Fort Yuma	Imperial		1	1	
Hernando de Alarcon expedition	Imperial		1		
Hotel Barbara Worth Site	Imperial				1
Mission La Purisima Concepcion Site	Imperial		1		
Picacho Mines	Imperial		1		1
Plank Road	Imperial		1	1	
Site of Fort Romualdo Pacheco	Imperial		1	1	
Site of Mission San Pedro y San Pablo de Bicuner	Imperial		1	1	
Southwest Lake Cahuilla Recessional Shoreline Archaeological District	Imperial	1		1	
Spoke Wheel Rock Alignment	Imperial	1		1	
Stonehead (L-7)	Imperial	1		1	
Tecolote Rancho Site	Imperial		1	1	
Townsite of Silsbee and Indian Well	Imperial				1
Tumco Mines	Imperial		1		
20th Century Folk Art Environments - Charley's World of Lost Art	Imperial			1	
U.S. Inspection Station - Calexico	Imperial				1
U.S. Post Office - El Centro Main	Imperial				1
Winterhaven Anthropomorph (L-8)	Imperial	1		1	
Winterhaven Anthropomorph and Bowknow (L-9)	Imperial	1		1	
Yuha Basin Discontiguous District	Imperial	1		1	
Yuha Well	Imperial		1	1	
Imperial County Totals		**7**	**12**	**16**	**6**
Archaeological Site CA-INY-134	Inyo	1		1	
Big and Little Petroglyph Canyons	Inyo	1		1	
Burned Wagons Point	Inyo		1		
Camp Independence Fort	Inyo		1		
Cartago Boat Land	Inyo				1
Coso Hot Springs	Inyo	1		1	
Cottonwood Charcoal Kilns	Inyo		1		
Death Valley Gateway	Inyo		1		

Table R1.8-3
List of NRHP, California Landmarks, CRHR, and Points of Interest within the DRECP Area

Name	County	National Register	California Historical Landmark	California Register	POHI
Death Valley Junction Historic District	Inyo	1		1	
Eagle Borax Works	Inyo	1		1	
Eichbaum Toll Road	Inyo		1	1	
Farley's Olancha Mill Site	Inyo		1	1	
Fossil Falls Archaeological District	Inyo	1		1	
Furnace of the Owens Lake Silver-Lead Company	Inyo		1		
Grave of 1872 Earthquake Victims	Inyo		1		
Harmony Borax Works	Inyo	1		1	
Inyo County Courthouse	Inyo	1		1	
Keeler, end of the line	Inyo				1
Manzanar War Relocation Center	Inyo	1	1	1	
Mary Austin's Home	Inyo		1		
Old Stovepipe Wells	Inyo		1		
Reilly	Inyo	1		1	
Saline Valley Salt Tram	Inyo	1		1	
Site of Bend City	Inyo		1		
Site of Putnam's Cabin	Inyo		1		
Valley Wells	Inyo		1		
Inyo County Totals		**11**	**14**	**13**	**2**
Aiken's Wash National Register District	San Bernardino	1		1	
Alf's Blacksmith Shop	San Bernardino				1
Archaeological Site CA-SBR-3186	San Bernardino	1		1	
Archaeological Site CA-SBR-140	San Bernardino	1		1	
Archaeological Site No. D-4	San Bernardino	1		1	
Archaeological Site No. E-21	San Bernardino	1		1	
Bismark	San Bernardino				1
Bitter Spring Archaeological Site (SBR-2659)	San Bernardino	1		1	
Black Canyon Inscription Canyon Black Mountain Rock Art District	San Bernardino	1		1	
Blackwater Well	San Bernardino	1		1	
Borate	San Bernardino				1
Buzzard Rock Barstow Petroglyph	San Bernardino				1
CA-SBR-1008A, -1008B, -1008C	San Bernardino	1		1	
Calico Mountains Archaeological District	San Bernardino	1		1	
Camp Cady (on the Mojave Road)	San Bernardino				1
Camp Clipper (Desert Training Center)	San Bernardino		1	1	

Table R1.8-3
List of NRHP, California Landmarks, CRHR, and Points of Interest within the DRECP Area

Name	County	National Register	California Historical Landmark	California Register	POHI
Camp Ibis (Desert Training Center)	San Bernardino		1	1	
Camp Iron Mountain (Desert Training Center)	San Bernardino		1	1	
Camp Rock Spring	San Bernardino				1
Chemehuevi Cemetery	San Bernardino				1
Chimney Rock	San Bernardino		1		
Cottonwood Spring	San Bernardino				1
Cow Camp	San Bernardino	1		1	
El Garces	San Bernardino	1		1	
Fort Piute/Piute Springs/Fort Beal/Piute Creek/Piute Hill	San Bernardino				1
Fossil Canyon Petroglyph Site	San Bernardino	1		1	
Foxtrot Petroglyph Site	San Bernardino	1		1	
Goffs Schoolhouse	San Bernardino	1		1	
Harry Wade Exit Route	San Bernardino		1		
Harvey House Railroad Depot	San Bernardino	1	1	1	
Kelso Depot, Restaurant and Employees Hotel	San Bernardino	1		1	1
Keys Desert Queen Ranch	San Bernardino	1		1	
Keys Ranch	San Bernardino				1
Lanfair	San Bernardino				1
Mojave Road, The	San Bernardino	1		1	
National Old Trails Monument	San Bernardino		1	1	
Newberry Cave Site	San Bernardino	1		1	
Old Guest House Museum	San Bernardino				1
Old Woman Springs	San Bernardino				1
Oro Grande Cemetery	San Bernardino				1
Pinecrest Resort Dining Hall	San Bernardino				1
Pioneer Deep Space Station	San Bernardino	1		1	
Piute Pass Archaeological District	San Bernardino	1		1	
Pozos De San Juan De Dios, Marl Springs	San Bernardino				1
Rabbit Springs	San Bernardino				1
Railroad Summit, Cajon Pass	San Bernardino				1
Rattlesnake Rock-Daggett-Petroglyphs	San Bernardino				1
Rodman Mountains Petroglyphs Archaeological District	San Bernardino	1		1	
Searles Lake Borax Discovery	San Bernardino		1	1	
Soda Spring	San Bernardino				1

Table R1.8-3
List of NRHP, California Landmarks, CRHR, and Points of Interest within the DRECP Area

Name	County	National Register	California Historical Landmark	California Register	POHI
Squaw Spring Archaeological District	San Bernardino	1		1	
Stone Hotel & People's General Store	San Bernardino				1
Topock Maze Archaeological Site	San Bernardino	1		1	
Town of Calico	San Bernardino		1	1	
Twentieth Century Folk Art Environments (Thematic)-HULA VILLE (Site of)	San Bernardino		1	1	
Twentieth Century Folk Art Environments (Thematic)-POSSUM TROT	San Bernardino		1	1	
Twentynine Palms Oasis	San Bernardino				1
Von Schmidt State Boundary monument	San Bernardino		1	1	
Wall Street Mill	San Bernardino	1		1	
Willis Well-Stone Monument and Petroglyphs	San Bernardino				1
ZZYZX Springs	San Bernardino				1
San Bernardino County Totals		**26**	**12**	**35**	**25**
20-Mule-Team Borax Terminus	Kern		1		
Bandit Rock	Kern	1		1	
Burro Schmidt's Tunnel	Kern	1		1	
Clay Pits	Kern				1
Desert Spring	Kern		1		
Errea House	Kern	1		1	
Freeman Junction	Kern		1		
Gross, Courtlandt, House	Kern	1		1	
Indian Wells	Kern		1		
Josie Bishop Mining Claim Site	Kern				1
Last Chance Canyon	Kern	1		1	
Rand Mining District	Kern		1	1	
Rogers Dry Lake	Kern	1		1	
Site of the Town of Garlock	Kern		1		
Tehachapi Loop	Kern		1		
Tehachapi Railroad Depot (reconstructed in 2009)	Kern	1		1	
Twenty Mule Team Road	Kern				1
Walker's Pass	Kern	1	1	1	
Willow Springs	Kern		1		
Willow Springs International Raceway	Kern				1
Kern County Totals		**8**	**9**	**9**	**4**
Agents Home	Riverside				1

Table R1.8-3
List of NRHP, California Landmarks, CRHR, and Points of Interest within the DRECP Area

Name	County	National Register	California Historical Landmark	California Register	POHI
Archaeological Sites CA-RIV-504 and CA-RIV-773	Riverside	1		1	
Atchison, Topeka, and Santa Fe Railway Depot at Blythe	Riverside				1
Barker Dam	Riverside	1		1	
Blythe Ferry Crossing	Riverside				1
Blythe Intaglios	Riverside	1		1	
Camp Coxcomb (Desert Training Center)	Riverside		1	1	
Camp Granite (Desert Training Center)	Riverside		1	1	
Camp Young (Desert Training Center, CAMA)	Riverside		1	1	1
Corn Springs	Riverside	1		1	1
Desert Queen Mine	Riverside	1		1	
Eagle Mountain Iron	Riverside				1
Giant Desert Figures	Riverside		1		
Lederer, Gus, Site	Riverside	1		1	
McCoy Spring Archaeological Site	Riverside	1		1	
North Chuckwalla Mountain Quarry District	Riverside	1		1	
North Chuckwalla Mountain Petroglyph District CA-RIV-1383	Riverside	1		1	
Ryan House and Lost Horse Well	Riverside	1		1	
Site of Blythe Intake	Riverside		1	1	1
Site of Contractor's General Hospital	Riverside		1	1	
Wiley's Well	Riverside				1
Riverside County Totals		**10**	**6**	**15**	**8**
Anza-Borrego-Palo Verde Site, S-2	San Diego	1		1	
Anza-Borrego-Sin Nombre, S-4	San Diego	1		1	
Anza-Borrego-Spit Mountain Site	San Diego	1		1	
Box Canyon	San Diego		1		
El Vado	San Diego		1		
Fages-De Anza Trail-Southern Emigrant Road	San Diego	1		1	
Los Puertecitos	San Diego		1		
Peg Leg Smith Monument	San Diego		1		
Palm Springs	San Diego		1		
San Felipe Valley and Stage Station	San Diego		1	1	
Santa Catarina	San Diego		1	1	
San Diego County Totals		**4**	**7**	**6**	**0**

Table R1.8-3
List of NRHP, California Landmarks, CRHR, and Points of Interest within the DRECP Area

Name	County	National Register	California Historical Landmark	California Register	POHI
Antelope Valley Indian Museum	Los Angeles	1		1	
Cedar Avenue Complex	Los Angeles	1		1	
Site of Llano del Rio Cooperative Colony	Los Angeles		1	1	
Soledad-Acton Schoolhouse	Los Angeles				1
Western Hotel	Los Angeles		1		
Los Angeles County Totals		**2**	**2**	**3**	**1**
Totals		**68**	**62**	**97**	**46**

Appendix R1.11 Land Use and Policies

Table R1.11-1
CDFW Lands within the DRECP Area

California Department of Fish and Wildlife Unit	Acres within the Plan Area
Ecological Reserve	**26,284**
Fremont Valley	4,155
Indian Joe Spring	64
King Clone	519
Palo Verde	1,821
Piute Creek	139
San Felipe Creek	1,993
West Mojave Desert	17,594
Wildlife Areas	**9,884**
Camp Cady	1,884
Cartago	237
Imperial	7,740
Kelso Peak and Old Dad Mountains	1
Marble Mountains	22
Other Areas	**15,075**
Chuckwalla Bench	61
Colorado River Access	326
Desert Tortoise Habitat	2,538
East Mojave Desert	7,369
Indian Wells Valley	79
Mission Creek	2,184
Mojave River	912
Mountain Sheep Watering Area	14
Old Woman Mountain–Bighorn Sheep Range	1,221
Ord Rodman	115
Tabaseca	257
Total	**51,243**

Note: All acreages derived from best available data.

Table R1.11-2
Local Agencies – Designated Land Use

Land Use Type	Acreage
Open Space	1,507,860
General Agriculture - 1 DU/10 AC	100,115
General Agriculture - 1 DU/20 AC	799,267
General Agriculture - 1 DU/40 AC	10,605
General Agriculture - 1 DU/160 AC	8,973
Intensive Agriculture (irrigated)	20,076
Rural - 1-4 DU/AC	2,791
Rural - 1 DU/10 AC	28,269
Natural/Mineral Resources	159,152
Industrial	109,331
Industrial/Commercial	12,584
Commercial	93,169
Residential - 1-16+ DU/AC	1,075,479
Residential - 1 DU/5 AC	302,379
Residential - 1 DU/10 AC	100,540
Residential - 1 DU/40 AC	11,673
Specific Plan - Residential/Other	51,895
Specific Plan - Commercial/Industrial	7,333
Mixed Use	30,896
Other[1]	124,316
No Data	84,066
Incorporated Cities[2]	127,186
TOTAL	**4,767,955**

[1] Includes nonprofits, and public utility districts
[2] Represents incorporated cities within Kern County only

Table R1.11-3a
Cadiz Valley and Chocolate Mountains Ecoregion Subarea
Summary of Land Ownership (acres)

Ownership	Acres
Federal	**2,589,533**
BLM	2,209,662
Bureau of Reclamation	4,370
DOD	321,140
NPS	42,914
USFWS	11,447
State	**57,230**
CDFW	2,464
CSLC	54,195
State Parks	571
Other (Local Agencies, Districts, etc.)	**366,157**
General Agriculture (1 DU/10 AC+)	**93,264**
General Agriculture (1 DU/20 AC+)	6,838
Rural (1 DU/10 AC)	871
Rural (1-4 DU/AC)	2,632
Residential (1-16+ DU/AC)	2,775
Mixed Use	1,857
Specific Plan (Residential/Other)	16,150
Commercial	597
Industrial	967
Open Space	233,837
Other[1]	4,131
No Data	2,236
Tribal	**39,063**
Tribal[2]	39,063
Total	**3,051,983**

Note: All acreages derived from best available data.
[1] Includes lands owned by municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-3b
Cadiz Valley and Chocolate Mountains Ecoregion Subarea
Summary of Land Use by County (acres)

Land Use	Acres
Imperial County	**642,597**
Federal	**564,428**
BLM	324,831
DOD	223,780
US Bureau of Reclamation	4,370
USFWS	11,447
State	**11,802**
CDFW	583
CSLC	10,648
State Parks	571
County-designated Land Use	**66,336**
Agriculture	6,840
Open Space	56,961
Other	431
Residential	461
No Data	1,644
Tribal	**31**
Tribal	31
Riverside County	**1,613,995**
Federal	**1,327,833**
BLM	1,193,939
DOD	97,360
US Park Service	36,534
State	**32,807**
CDFW	1,881
CSLC	30,925
State Parks	0
County-designated Land Use	**241,281**
Agriculture	93,262
Commercial	597
Industrial	967
Open Space	120,373
Other	3,701
Residential	2,314

Table R1.11-3b
Cadiz Valley and Chocolate Mountains Ecoregion Subarea
Summary of Land Use by County (acres)

Land Use	Acres
Rural Residential	3,503
Specific Plan/Community Development	16,150
No Data	413
Tribal	**12,074**
Tribal	12,074
San Bernardino County	**795,391**
Federal	**697,272**
BLM	690,892
DOD	0
U.S. Park Service	6,380
State	**12,622**
CDFW	0
CSLC	12,622
State Parks	0
County-designated Land Use	**58,540**
Mixed Use	1,857
Open Space	56,504
No Data	179
Tribal	**26,957**
Tribal	26,957
Designated Land Use: Cadiz Valley and Chocolate Mountains Ecoregion Subarea Total Acres	**3,051,983**

Note: All acreages derived from best available data.

Table R1.11-4a
Imperial and Borrego Valley Ecoregion Subarea Summary of Land Ownership (acres)

Ownership	Acres
Federal	**1,150,336**
BLM	854,146
Bureau of Reclamation	80,880
DOD	183,073
NPS	0
USFWS	32,268
State	**286,771**
CDFW	9,733
CSLC	15,569
State Parks	261,469
Other (Local Agencies, Districts, etc.)	**917,024**
Agriculture (1 DU/20 and 40 AC)	503,530
Commercial	34,003
Industrial	10,419
Mixed Use	8
Open Space	137,975
Other	92,449
Residential (1 DU/5+ AC to 40 AC)	58,208
Residential (1-16+ DU/AC)	59,719
Specific Plan/Residential/Other	4,694
No Data	16,018
Tribal	**55,952**
Tribal[2]	55,952
TOTAL	**2,410,114**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-4b
Imperial and Borrego Valley Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Imperial County	**2,130,853**
Federal	**1,138,550**
BLM	853,574
DOD	171,828
USFWS	32,268
U.S. Bureau of Reclamation	80,880
State	**89,116**
CDFW	9,733
CSLC	15,535
State Parks	63,849
County-designated Land Use	**847,234**
Agriculture	503,530
Commercial	33,370
Industrial	10,257
Mixed Use	8
Open Space	126,905
Other	92,449
Residential	64,701
No Data	16,014
Tribal	**55,952**
Tribal	55,952
Riverside County	**11,667**
Federal	**11,642**
BLM	398
DOD	11,244
State	**16**
CDFW	0
CSLC	16
State Parks	0
County-designated Land Use	**8**
Agriculture	0
Open Space	8
Other	0

Table R1.11-4b
Imperial and Borrego Valley Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Tribal	**0**
Tribal[2]	0
San Diego County	***267,594***
Federal	**174**
BLM	174
DOD	0
USDA	0
State	**197,639**
CDFW	0
CSLC	18
State Parks	197,621
County-designated Land Use	**69,782**
Agriculture	0
Commercial	633
Industrial	163
Open Space	11,062
Residential	53,226
Specific Plan/Community Development	4,694
No Data	4
Imperial and Borrego Valley Ecoregion Subarea Total Acres	**2,410,114**

Note: All acreages derived from best available data.

Table R1.11-5a
Kingston and Funeral Mountains Ecoregion Subarea
Summary of Land Ownership (acres)

Ownership	Acres
Federal	**2,320,984**
BLM	1,184,484
Bureau of Reclamation	0
DOD	0
NPS	1,136,500
USFWS	0
State	**83,324**
CDFW	1
CSLC	83,323
State Parks	0
Other[1] (Local Agencies, Districts, etc.)	**65,739**
General Agriculture (1 DU/10 AC)	1,433
Commercial	5,016
Industrial	244
Industrial/Commercial	188
Mixed Use	268
Open Space	46,304
Other	43
Residential (1 DU/5-10 AC)	298
Residential (1-16+ DU/AC)	427
Rural (1DU/10 AC)	10,851
No Data	668
Tribal	**0**
Tribal[2]	0
Total	**2,470,047**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-5b
Kingston and Funeral Mountains Ecoregion Subarea
Summary of Land Use by County (acres)

Land Use	Acres
Inyo County	**1,201,867**
Federal	**1,133,990**
BLM	593,177
DOD	0
National Park Service	540,813
State	**37,976**
CDFW	0
CSLC	37,976
State Parks	0
County-designated Land Use	**29,901**
Agriculture	1,433
Commercial	4,879
Industrial	244
Open Space	11,121
Other	26
Residential	690
Rural	10,850
No Data	658
San Bernardino County	**1,268,179**
Federal	**1,186,994**
BLM	591,308
DOD	0
National Park Service	595,686
State	**45,348**
CDFW	1
CSLC	45,347
State Parks	0
County-designated Land Use	**35,838**
Commercial	137
Industrial/Commercial	188
Mixed Use	268
Open Space	35,183

Table R1.11-5b
Kingston and Funeral Mountains Ecoregion Subarea
Summary of Land Use by County (acres)

Land Use	Acres
Other	17
Residential	35
Rural	1
No Data	9
Kingston and Funeral Mountains Ecoregion Subarea Total Acres	**2,470,047**

Note: All acreages derived from best available data.

Table R1.11-6a
Mojave and Silurian Valley Ecoregion Subarea
Summary of Land Ownership (acres)

Ownership	Acres
Federal	**2,400,021**
BLM	1,003,000
Bureau of Reclamation	0
DOD	1,154,621
NPS	242,399
USFWS	0
State	**39,523**
CDFW	10,298
CSLC	28,946
University of California	279
State Parks	0
Other[1] (Local Agencies, Districts, etc.)	**204,556**
General Agriculture (1 DU/20 AC)	3,567
Commercial	874
Industrial	3,612
Industrial/Commercial	1,063
Natural/Mineral Resources	904
Open Space	122,347
Residential (1 DU/5-10 AC)	37,595
Residential (1-16+ DU/AC)	31,973
No Data	2,619
Tribal	**0**
Tribal[2]	0
Total	**2,644,100**

Note: All acreages derived from best available data.
[1] Includes privately owned lands as well as municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-6b
Mojave and Silurian Valley Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Kern County	**22,347**
Federal	**19,393**
BLM	19,393
State	**144**
CSLC	144
County-designated Land Use	**2,810**
Agriculture	339
Commercial	59
Industrial	6
Natural/Mineral Resources	903
Open Space	1,242
Residential	261
San Bernardino County	**2,621,752**
Federal	**2,380,627**
BLM	983,607
DOD	1,154,621
National Park Service	242,399
State	**39,379**
CDFW	10,298
CSLC	28,802
University of California	279
County-designated Land Use	**201,746**
Agriculture	3,228
Commercial	815
Industrial	3,606
Industrial/Commercial	1,063
Natural/Mineral Resources	1
Open Space	121,105
Residential	69,308
No Data	2,619
Mojave and Silurian Valley Ecoregion Subarea Total Acres	**2,644,100**

Note: All acreages derived from best available data.

Table R1.11-7a
Owens River Valley Ecoregion Subarea Summary of Land Ownership (acres)

Ownership	Acres
Federal	**193,403**
BLM	189,067
Bureau of Reclamation	0
DOD	3,553
NPS	783
USFWS	0
State	**2,559**
CDFW	237
CSLC	2,321
State Parks	0
Other (Local Agencies, Districts, etc.)	**221,029**
General Agriculture (1 DU/10 AC)	5,418
Commercial	205
Industrial	361
Natural/Mineral Resources	126,710
Open Space	69,077
Other[1]	168
Residential (1 DU/5-10 AC)	2,482
Residential (1-16+ DU/AC)	1,203
Rural (1 DU/10 AC)	12,952
No Data	2,451
Tribal	**567**
Tribal[2]	567
Total	**417,558**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.
[3] The majority of lands in this land use category are owned by the Los Angeles Department of Water & Power.

Table R1.11-7b
Owens River Valley Ecoregion Subarea Summary of Land Use by County (Acres)

Land Use	Acres
Inyo County	***417,558***
Federal	**193,403**
BLM	189,067
DOD	3,553
National Park Service	783
State	**2,559**
CDFW	237
CSLC	2,321
State Parks	0
County-designated Land Use	**221,029**
Agriculture	5,418
Commercial	205
Industrial	361
Natural/Mineral Resources	126,710
Open Space	69,077
Other	168
Residential	3,685
Rural	12,952
No Data	2,451
Tribal	**567**
Tribal	567
Owens River Valley Ecoregion Subarea Total Acres	**417,558**

Note: All acreages derived from best available data.

Table R1.11-8a
Panamint Death Valley Ecoregion Subarea Summary of Land Ownership (acres)

Ownership	Acres
Federal	**1,878,376**
BLM	457,137
Bureau of Reclamation	0
DOD	241,738
NPS	1,179,500
USFWS	0
State	**32,576**
CDFW	64
CSLC	28,270
State Parks	4,242
Other(Local Agencies, Districts, etc.)	**26,451**
General Agriculture (1 DU/20 AC)	81
Commercial	378
Industrial	2,667
Industrial Commercial	2
Natural/Mineral Resources	420
Open Space	16,428
Residential (1 DU/5-10 AC)	526
Residential (1-16+ DU/AC)	576
Rural (1 DU/10 AC)	3,433
No Data	1,939
Tribal	**0**
Tribal[2]	0
Total	**1,937,402**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-8b
Panamint Death Valley Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Inyo County	***1,251,252***
Federal	**1,226,250**
BLM	210,994
DOD	23,344
National Park Service	991,912
State	**16,108**
CDFW	64
CSLC	16,044
State Parks	0
County-designated Land Use	**8,894**
Commercial	201
Industrial	1,052
Natural/Mineral Resources	318
Open Space	1,567
Residential	531
Rural	3,433
No Data	1,792
Kern County	***81,330***
Federal	**73,242**
BLM	73,241
DOD	1
National Park Service	0
State	**4,242**
CDFW	0
CSLC	0
State Parks	4,242
County-designated Land Use	**3,846**
Natural/Mineral Resources	103
Open Space	3,566
Residential	177
San Bernardino County	***604,820***
Federal	**578,883**
BLM	172,902
DOD	218,393
National Park Service	187,588

Table R1.11-8b
Panamint Death Valley Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
State	**12,225**
CDFW	0
CSLC	12,225
State Parks	0
County-designated Land Use	**13,711**
Agriculture	81
Commercial	177
Industrial	1,615
Industrial/Commercial	2
Open Space	11,296
Residential	394
No Data	146
Panamint Death Valley Ecoregion Subarea Total Acres	**1,937,402**

Note: All acreages derived from best available data.

Table R1.11-9a
Pinto Lucerne Valley and Eastern Slopes
Ecoregion Subarea Summary of Land Ownership (Acres)

Ownership	Acres
Federal	**1,750,242**
BLM	882,996
Bureau of Reclamation	0
DOD	328,175
USDA	119
NPS	538,952
USFWS	0
State	**40,004**
CDFW	2,818
CSLC	37,186
State Parks	0
Other (Local Agencies, Districts, etc.)	**528,312**
General Agriculture (1 DU/20 – 40 AC)	26,965
Commercial	6,903
Specific Plan – Commercial/Industrial	5,937
Industrial	9,895
Industrial Commercial	920
Mixed Use	6,193
Natural/Mineral Resources	570
Open Space	141,881
Other	1,519
Residential (1 DU/5-10 AC)	135,112
Residential (1-16+ DU/AC)	183,142
Rural (1 DU/10 AC)	16
No Data	9,259
Tribal	**158**
Tribal[2]	158
Total	**2,318,717**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-9b
Pinto Lucerne Valley and Eastern Slopes
Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Riverside County	***521,744***
Federal	**506,738**
BLM	60,499
DOD	0
National Park Service	446,239
State	**4,319**
CDFW	0
CSLC	4,317
State Parks	0
County-designated Land Use	**10,689**
Commercial	20
Industrial	0
Natural/Mineral Resources	570
Open Space	10,065
Residential	9
Rural	16
No Data	9
San Bernardino County	***1,796,972***
Federal	**1,243,504**
BLM	822,496
DOD	328,175
US Department of Agriculture	119
National Park Service	92,713
State	**35,686**
CDFW	2,818
CSLC	32,868
State Parks	0
County-designated Land Use	**517,623**
Agriculture	26,965
Commercial	6,883
Industrial	9,895
Industrial/Commercial	920
Mixed Use	6,193
Open Space	131,817

Table R1.11-9b
Pinto Lucerne Valley and Eastern Slopes
Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Other	1,519
Residential	297,502
Specific Plan – Commercial/Industrial	5,937
No Data	9,250
Tribal Lands	**158**
Tribal Lands	158
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea Total Acres	**2,318,717**

Note: All acreages derived from best available data.

Table R1.11-10a
Piute Valley and Sacramento Mountains Ecoregion Subarea
Summary of Land Ownership (Acres)

Ownership	Acres
Federal	**954,735**
BLM	933,462
Bureau of Reclamation	0
DOD	0
NPS	15,295
USFWS	5,979
State	**32,270**
CDFW	5,522
CSLC	26,748
State Parks	0
Other (Local Agencies, Districts, etc.)	**68,620**
Commercial	2,603
Industrial	1,455
Mixed Use	1
Open Space	57,100
Other	811
Residential (1-16+ DU/AC)	3,824
No Data	2,826
Tribal	**36,325**
Tribal[2]	36,325
Total	**1,091,951**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-10b
Piute Valley And Sacramento Mountains Ecoregion Subarea
Summary Of Land Use by County (Acres)

Land Use	Acres
San Bernardino County	**1,091,951**
Federal	**954,735**
BLM	933,462
FWS	5,979
NPS	15,295
State	**32,270**
CDFW	5,522
CSLC	26,748
County Designated Land Uses	**68,620**
Commercial	2,603
Industrial	1,455
Mixed Use	1
Open Space	57,100
Other	811
Residential	3,824
No Data	2,826
Tribal	**36,325**
Tribal[2]	36,325
Piute Valley and Sacramento Mountains Ecoregion Subarea Total Acres	**1,091,951**

Note: All acreages derived from best available data.

Table R1.11-11a
Providence and Bullion Mountains Ecoregion Subarea
Summary of Land Ownership (Acres)

Ownership	Acres
Federal	**2,341,279**
BLM	1,415,824
Bureau of Reclamation	0
DOD	262,023
NPS	663,432
USFWS	0
State	**69,379**
CDFW	3,229
CSLC	58,984
State Parks	5,856
University of California	1,311
Other (Local Agencies, Districts, etc.)	**204,558**
General Agriculture (1 DU/160 AC)	8,973
General Agriculture (1 DU/20 AC)	86
Commercial	1,392
Industrial	242
Industrial/Commercial	238
Mixed Use	5
Open Space	166,056
Residential (1 DU/ 5-10 AC)	25,039
Residential (1-16+ DU/AC)	2,282
No Data	246
Tribal	**0**
Tribal[2]	0
Total	**2,615,216**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-11b
Providence and Bullion Mountains Ecoregion Subarea
Summary of Land Use by County (acres)

Land Use	Acres
San Bernardino County	**2,615,216**
Federal	**2,341,279**
BLM	1,415,824
DOD	262,023
NPS	663,432
State	**69,379**
CDFW	3,229
CSLC	58,984
State Parks	5,856
University of California	1,311
County Designated Land Uses	**204,558**
Agriculture	9,059
Commercial	1,392
Industrial	242
Industrial/Commercial	238
Mixed Use	5
Open Space	166,056
Residential	27,321
No Data	246
Providence and Bullion Mountains Ecoregion Subarea Total Acres	**2,615,216**

Note: All acreages derived from best available data.

Table R1.11-12a
West Mojave and Eastern Slopes Ecoregion Subarea Summary of Ownership (acres)

Ownership	Acres
Federal	**1,420,233**
BLM	878,490
Bureau of Reclamation	0
DOD	541,298
USDA	446
NPS	0
Service	0
State	**40,838**
CDFW	16,877
CSLC	3,329
State Parks	20,632
Other (Local Agencies, Districts, etc.)	**2,165,509**
General Agriculture (1 DU/20 AC)	268,805
Intensive Agriculture (Irrigated)	20,076
Incorporated Cities	127,186
Commercial	41,198
Industrial	79,469
Industrial/Commercial	10,173
Specific Plan – Commercial/Industrial	1,395
Mixed Use	22,564
Natural/Mineral Resources	30,548
Open Space	516,854
Other[1]	25,193
Residential (1 DU/ 5-10 AC)	155,332
Residential (1-16+ DU/AC)	789,557
Rural (1 DU/10 AC)	145
Rural (1-4 DU/AC)	158
Specific Plan – Residential/Other	31,051
No Data	45,803
Tribal	**231**
Tribal[2]	231
Total	**3,626,811**

Note: All acreages derived from best available data.
[1] Includes municipalities, nonprofits, and public utility districts.
[2] There are no participating tribes in the Draft DRECP to date; therefore DRECP decisions would not apply to tribal lands. This data is for informational purposes only.

Table R1.11-12b
West Mojave and Eastern Slopes Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Inyo County	**116,739**
Federal	**113,968**
BLM	7,874
DOD	106,094
State	**524**
CSLC	524
County Designated Land Use	**2,247**
Commercial	45
Industrial	80
Natural/Mineral Resources	851
Open Space	243
Other	0
Residential (1-16+ DU/AC)	300
Residential (1 DU/5 AC, 1 DU/10 AC)	529
Rural	2
No Data	198
Kern County	**1,642,637**
Federal	**728,500**
BLM	440,432
DOD	288,063
USDA	5
State	**23,563**
CDFW	6,771
CSLC	1,626
State Parks	15,166
County Designated Land Use	**890,343**
Agriculture	280,931
Commercial	6,780
Incorporated Cities	127,163
Industrial-Industrial/Commercial	30,231
Natural/Mineral Resources	29,684
Open Space	256,572
Other	6,851
Residential (1-16+ DU/AC)	101,154
Residential (1 DU/5 AC, 1 DU/10AC)	34,344

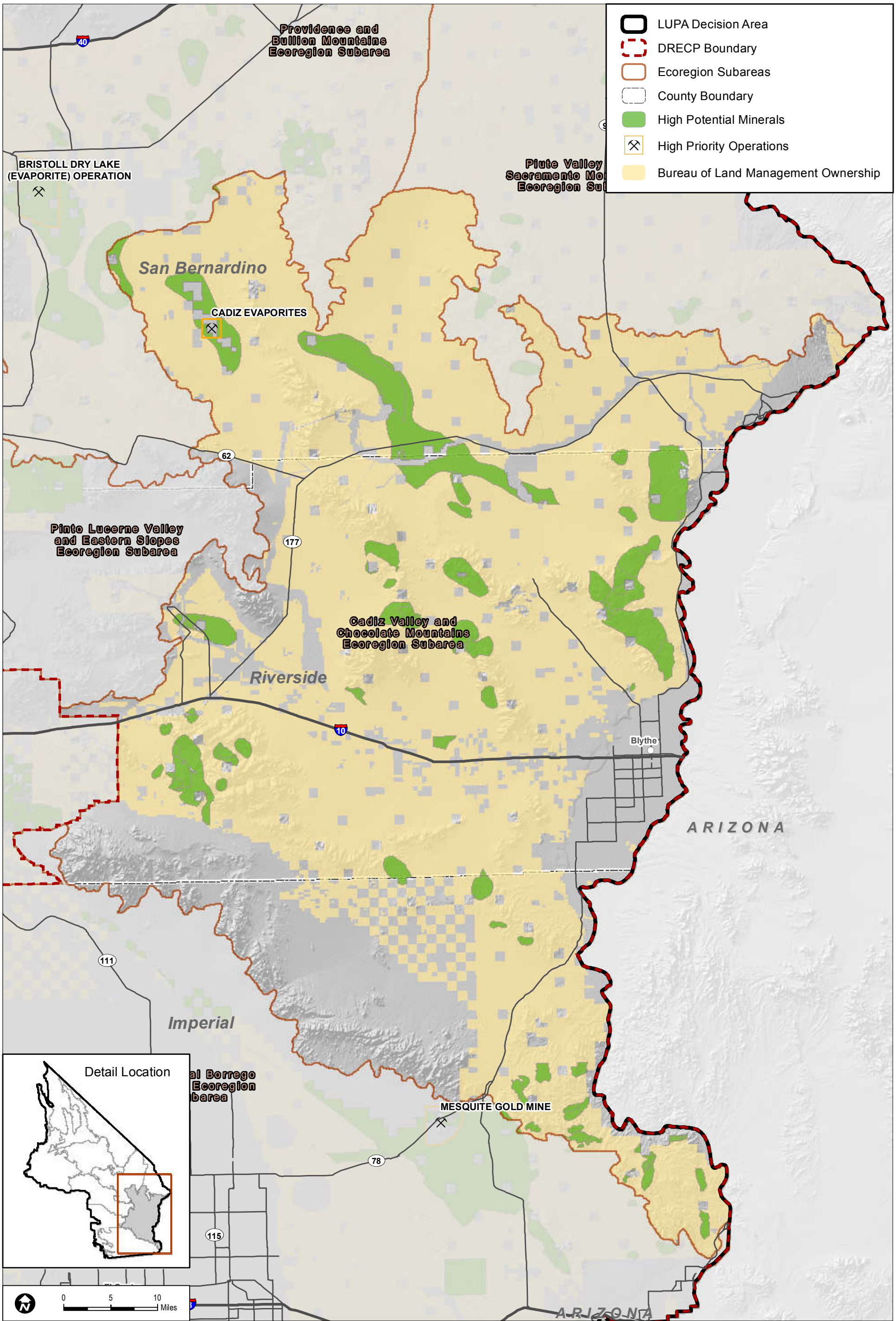
Table R1.11-12b
West Mojave and Eastern Slopes Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
Rural	301
Specific Plan/Community Development	15,938
No Data	394
Tribal	**231**
Tribal	231
Los Angeles County	**680,066**
Federal	**54,673**
BLM	6,821
DOD	47,441
USDA	411
State	**5,473**
CDFW	0
CSLC	6
State Parks	5,466
County Designated Land Use	**619,920**
Intensive Agriculture (irrigated)	2
Commercial	24,243
Industrial	26,697
Industrial/Commercial	3,763
Mixed Use	1,628
Open Space	8,958
Other	9,508
Residential (1-16+ DU/AC)	490,015
Residential (1 DU/5 AC)	17,022
Specific Plan	15,724
No Data	22,360
San Bernardino County	**1,187,369**
Federal	**523,092**
BLM	423,362
DOD	99,700
USDA	29
State	**11,279**
CDFW	10,106
CSLC	1,173

Table R1.11-12b
West Mojave and Eastern Slopes Ecoregion Subarea Summary of Land Use by County (acres)

Land Use	Acres
State Parks	0
County Designated Land Use	**652,999**
Agriculture	7,947
Commercial	10,130
Incorporated Cities	23
Industrial	22,462
Industrial/Commercial	6,410
Mixed Use	20,936
Natural/Mineral Resources	14
Open Space	251,081
Other	8,834
Residential (1-16+ DU/AC)	198,089
Residential (1 DU/ 5 AC, 1 DU/10 AC)	103,437
Specific Plan/Community Development	784
No Data	22,851
West Mojave and Eastern Slopes Ecoregion Subarea Total Acres	**3,626,811**

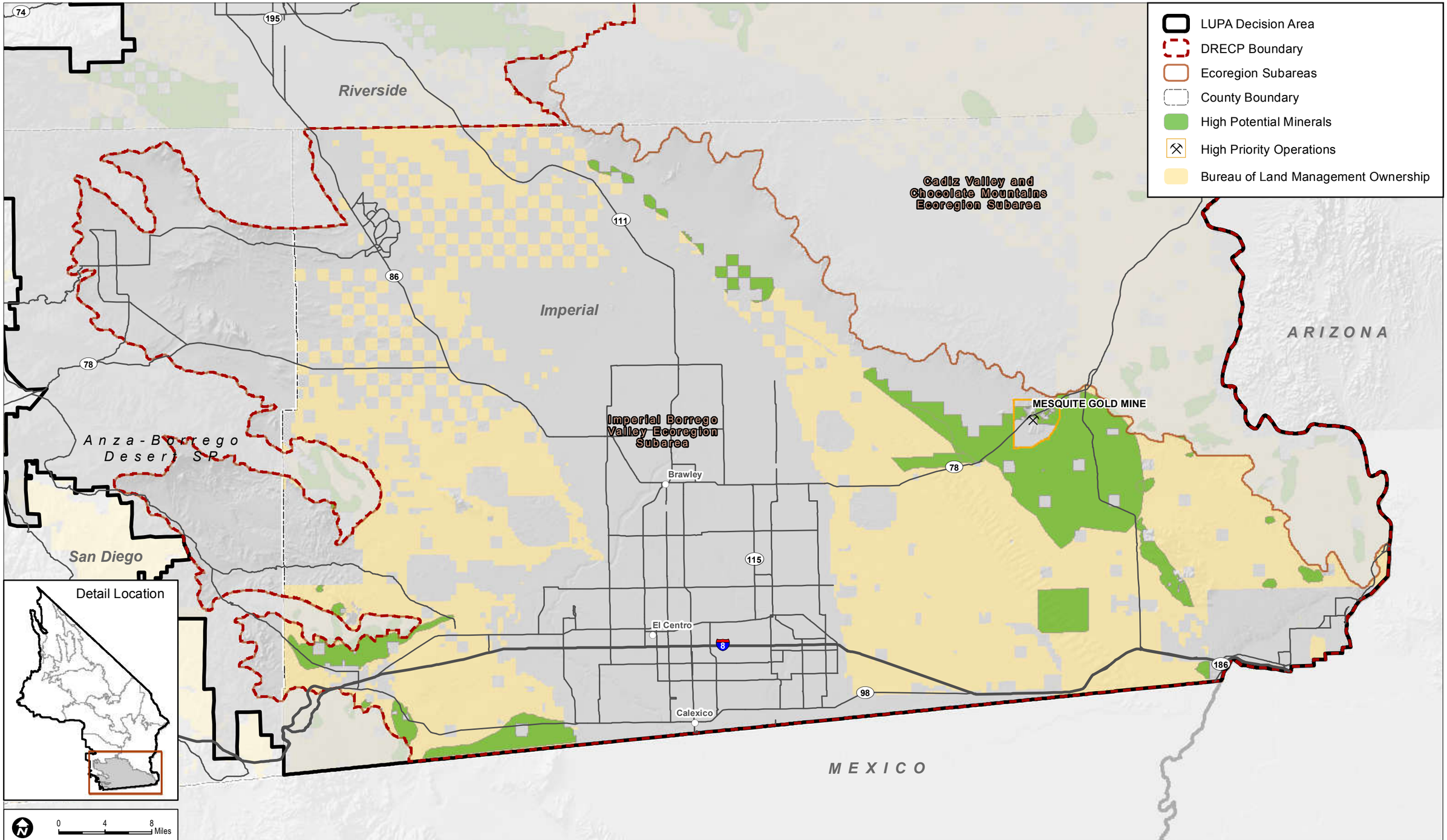
Note: All acreages derived from best available data.



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-1

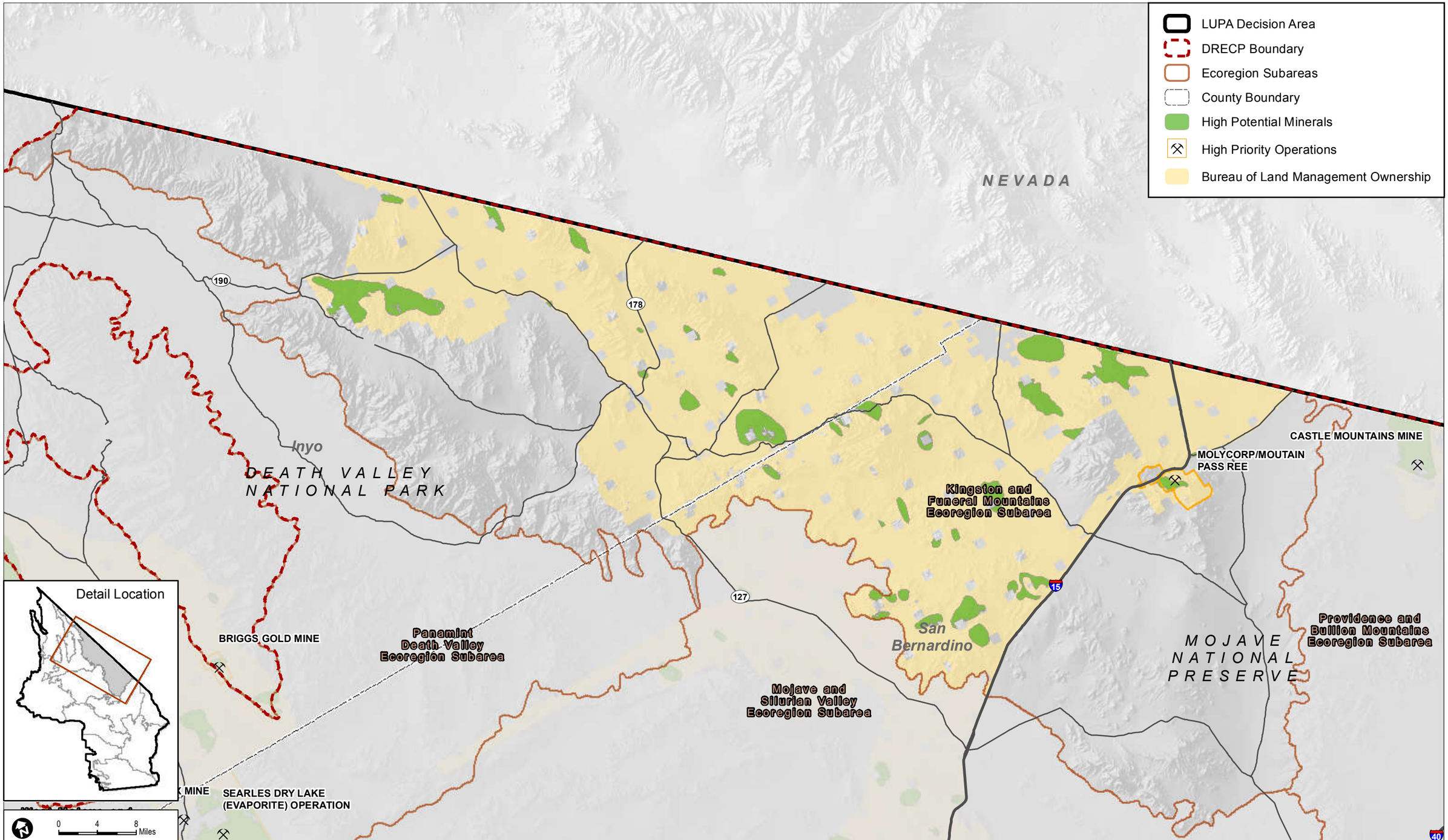
High Potential Mineral Locations within the Cadiz Valley and Chocolate Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-2

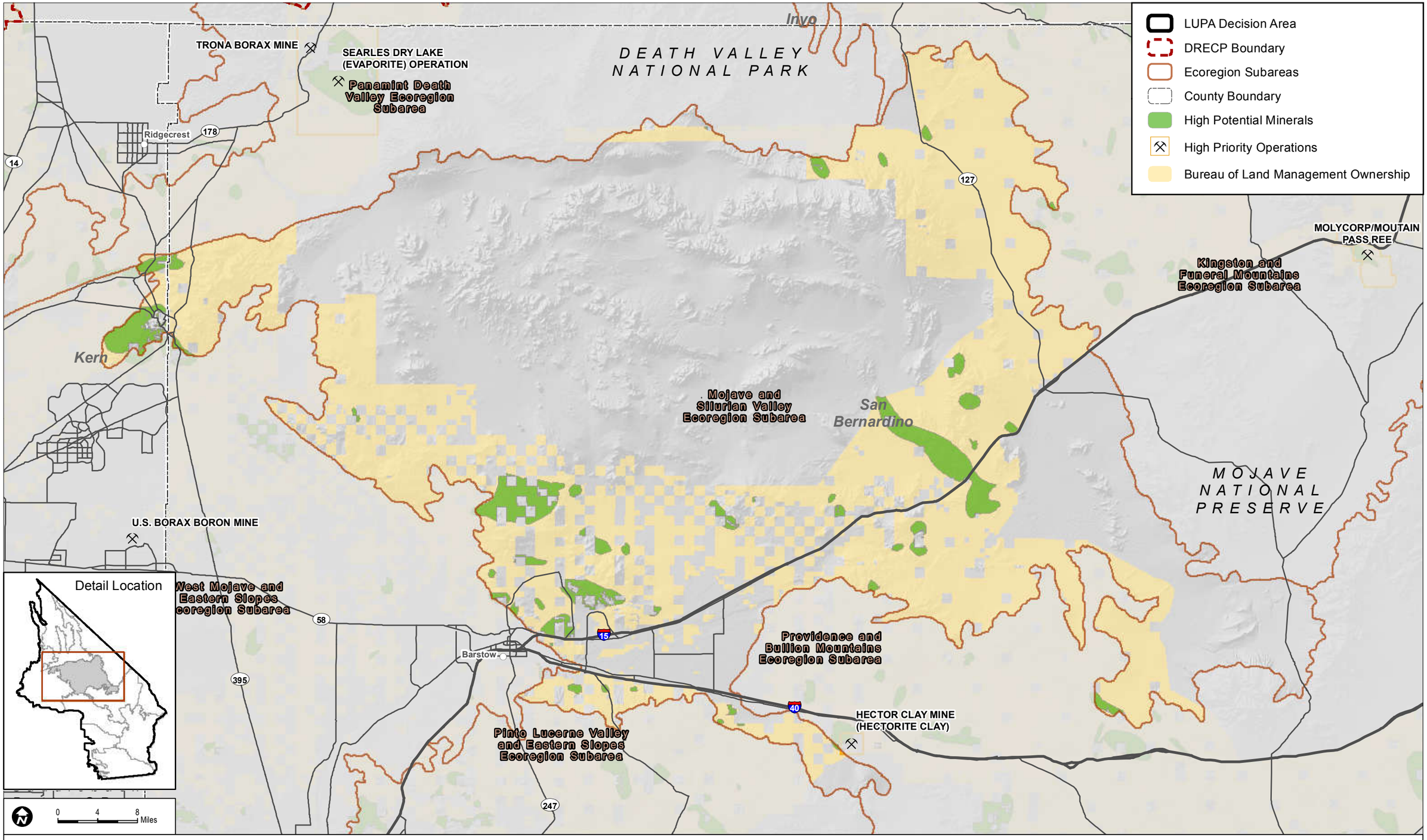
High Potential Mineral Locations within the Imperial Borrego Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-3

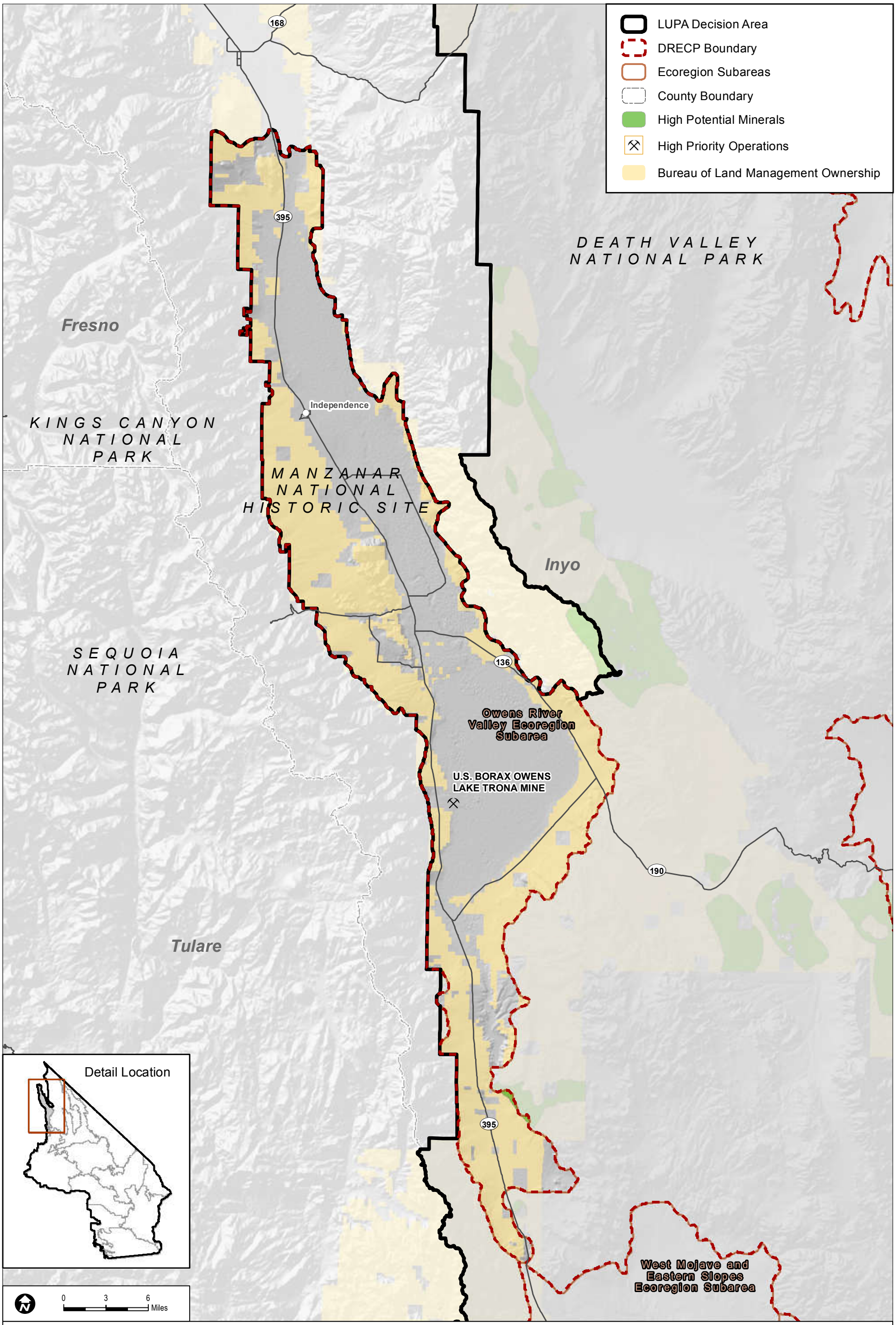
High Potential Mineral Locations within the Kingston and Funeral Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-4

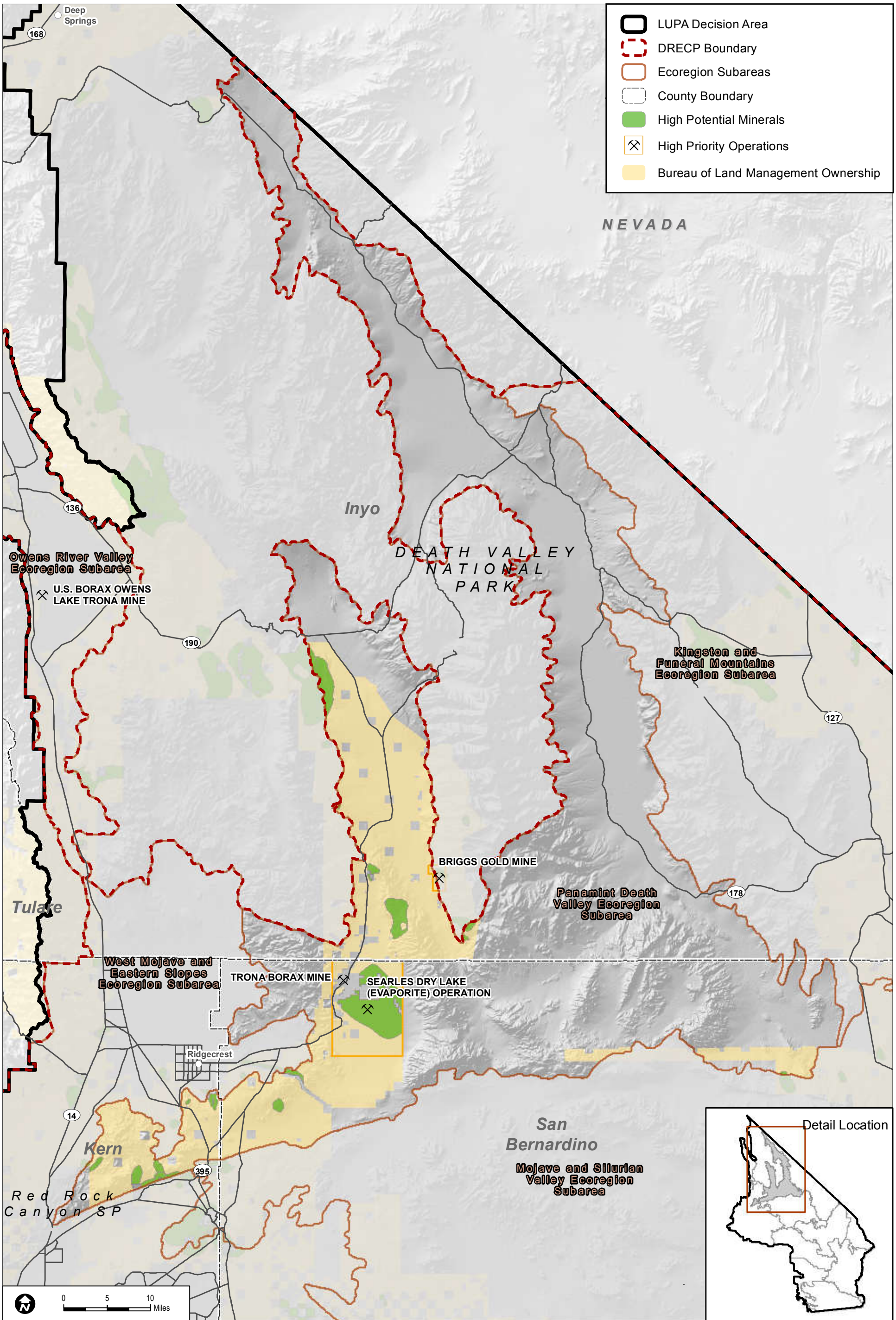
High Potential Mineral Locations within the Mojave and Silurian Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-5

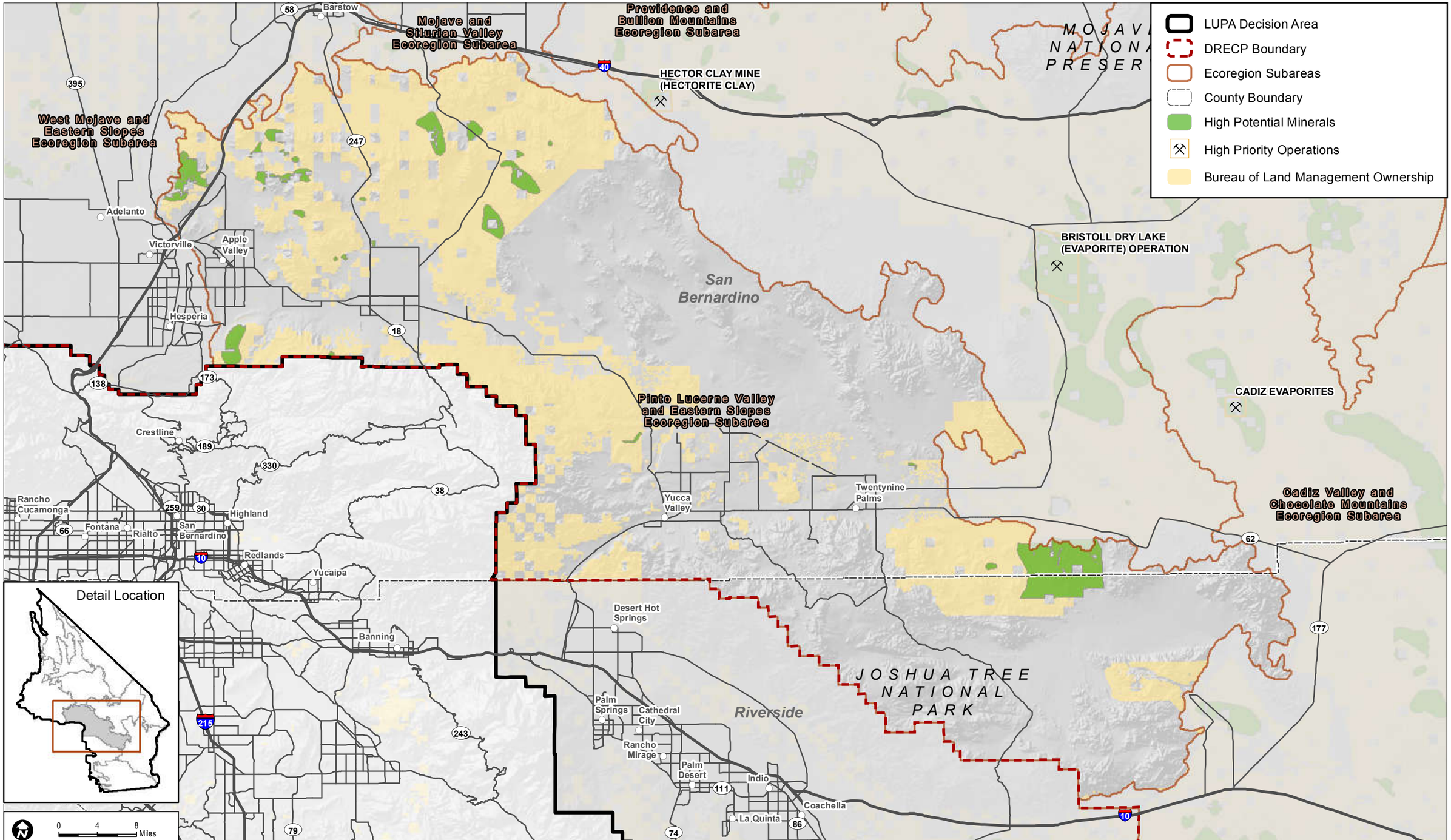
High Potential Mineral Locations within the Owens River Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-6

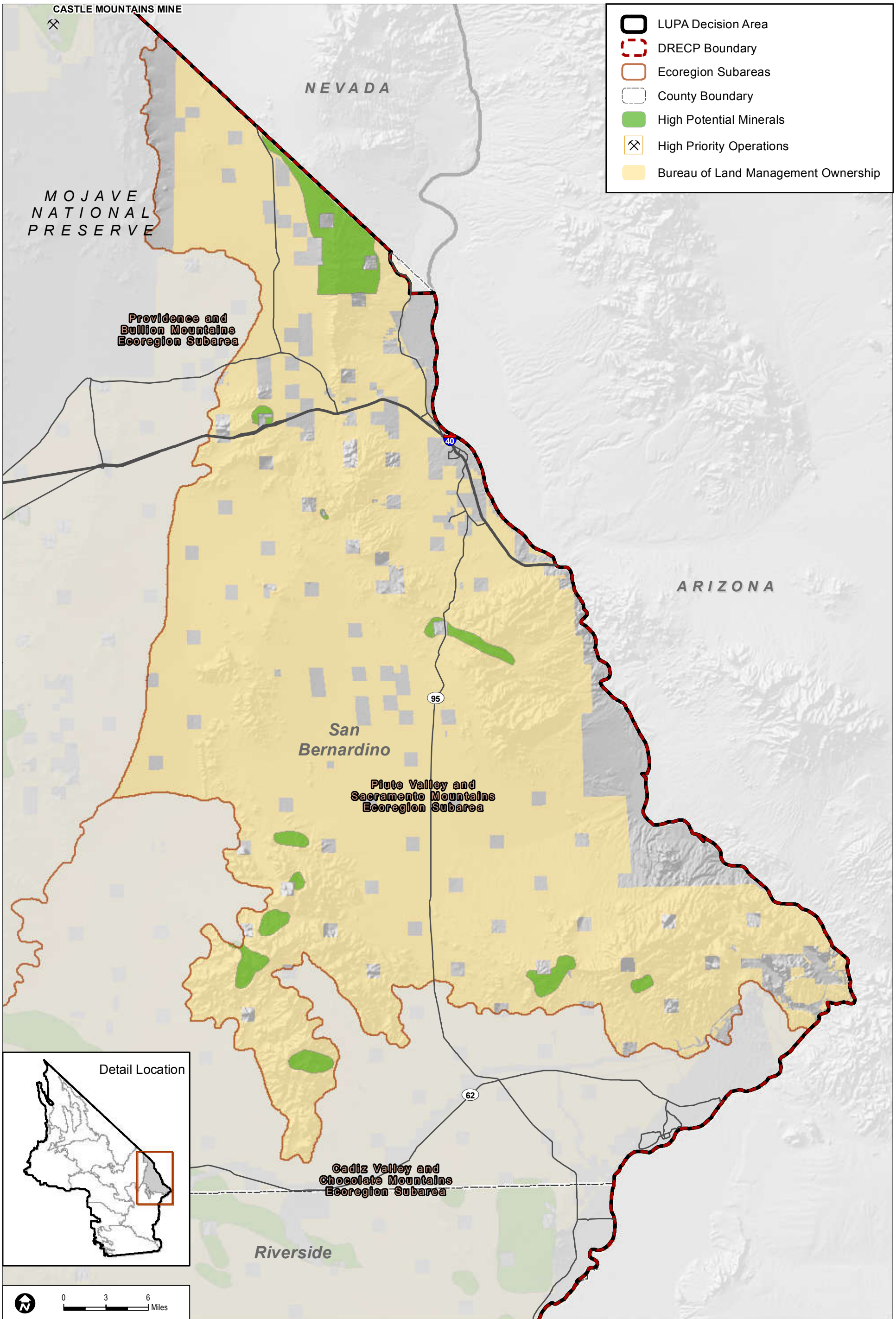
High Potential Mineral Locations within the Panamint Death Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-7

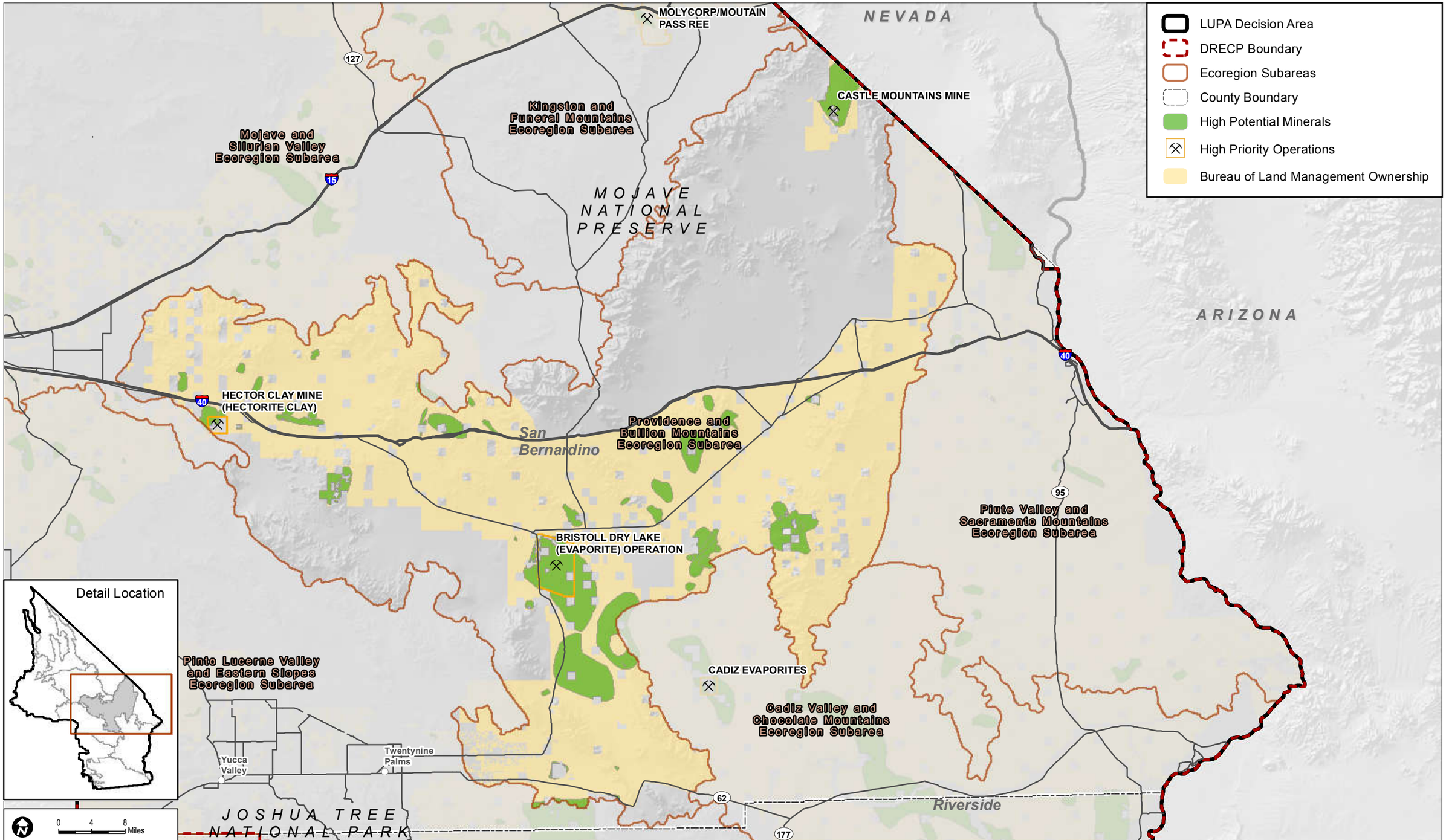
High Potential Mineral Locations within the Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-8

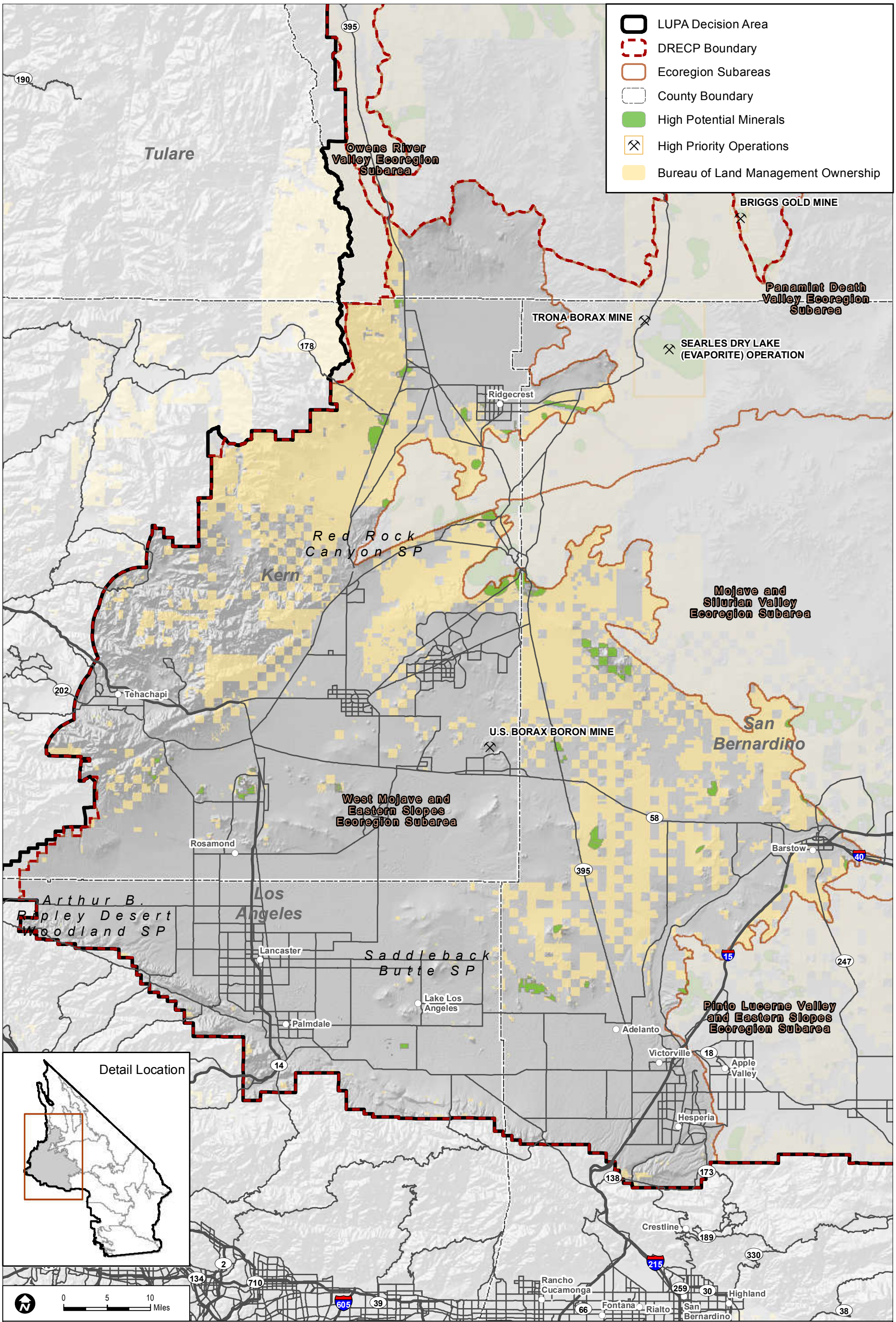
High Potential Mineral Locations within the Piute Valley and Sacrament Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-9

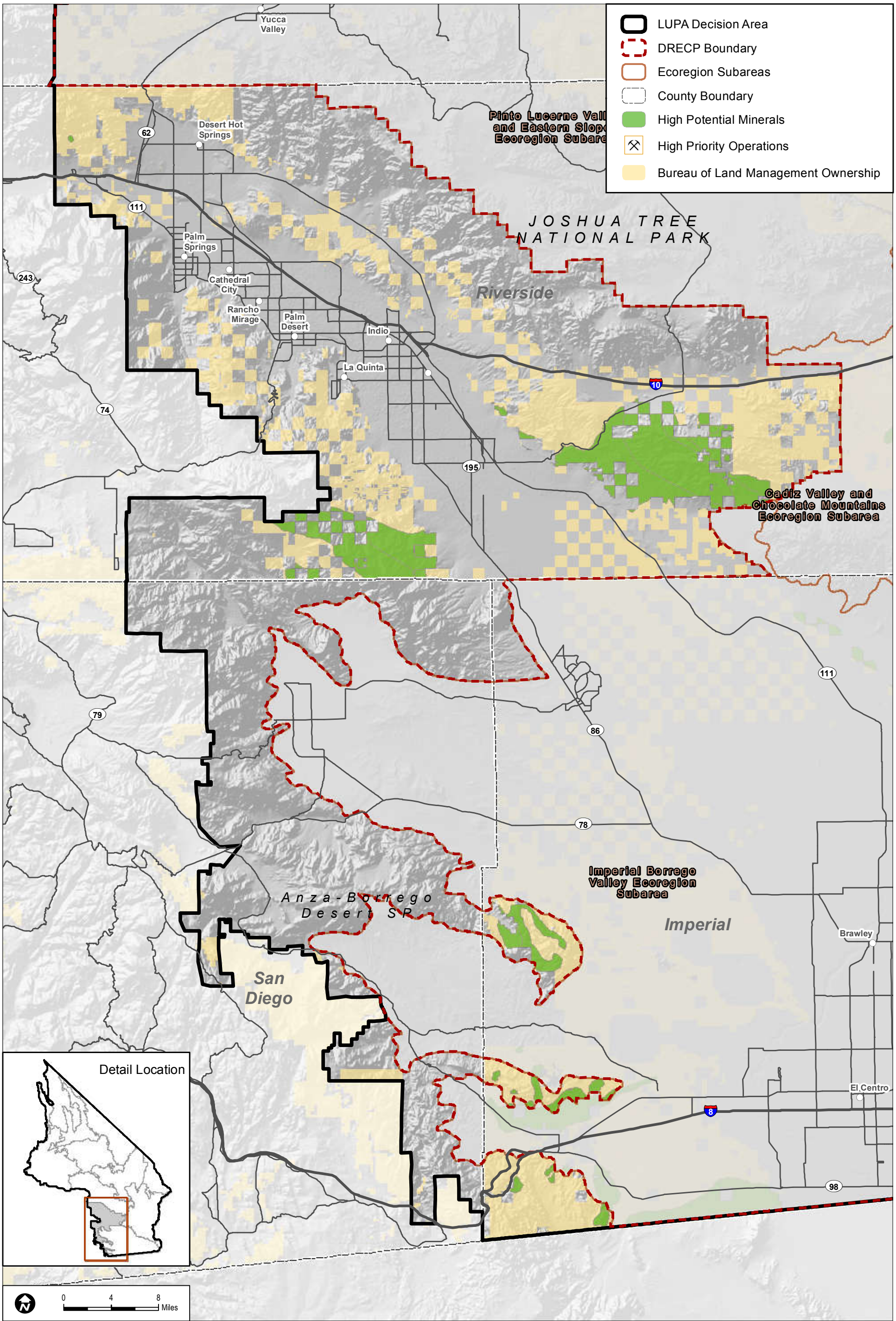
High Potential Mineral Locations within the Providence and Bullion Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-10

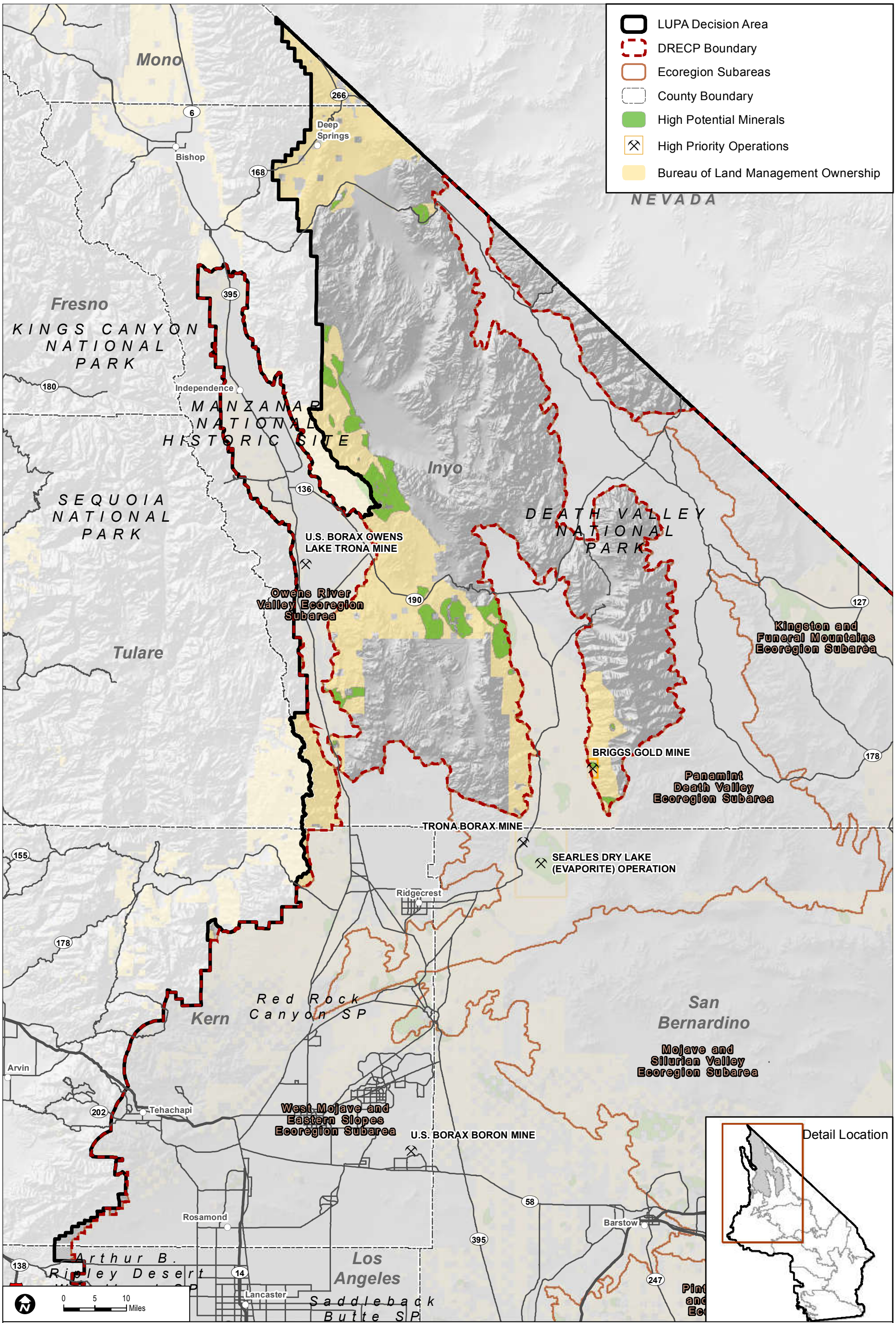
High Potential Mineral Locations within the West Mojave and Eastern Slopes Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-11a

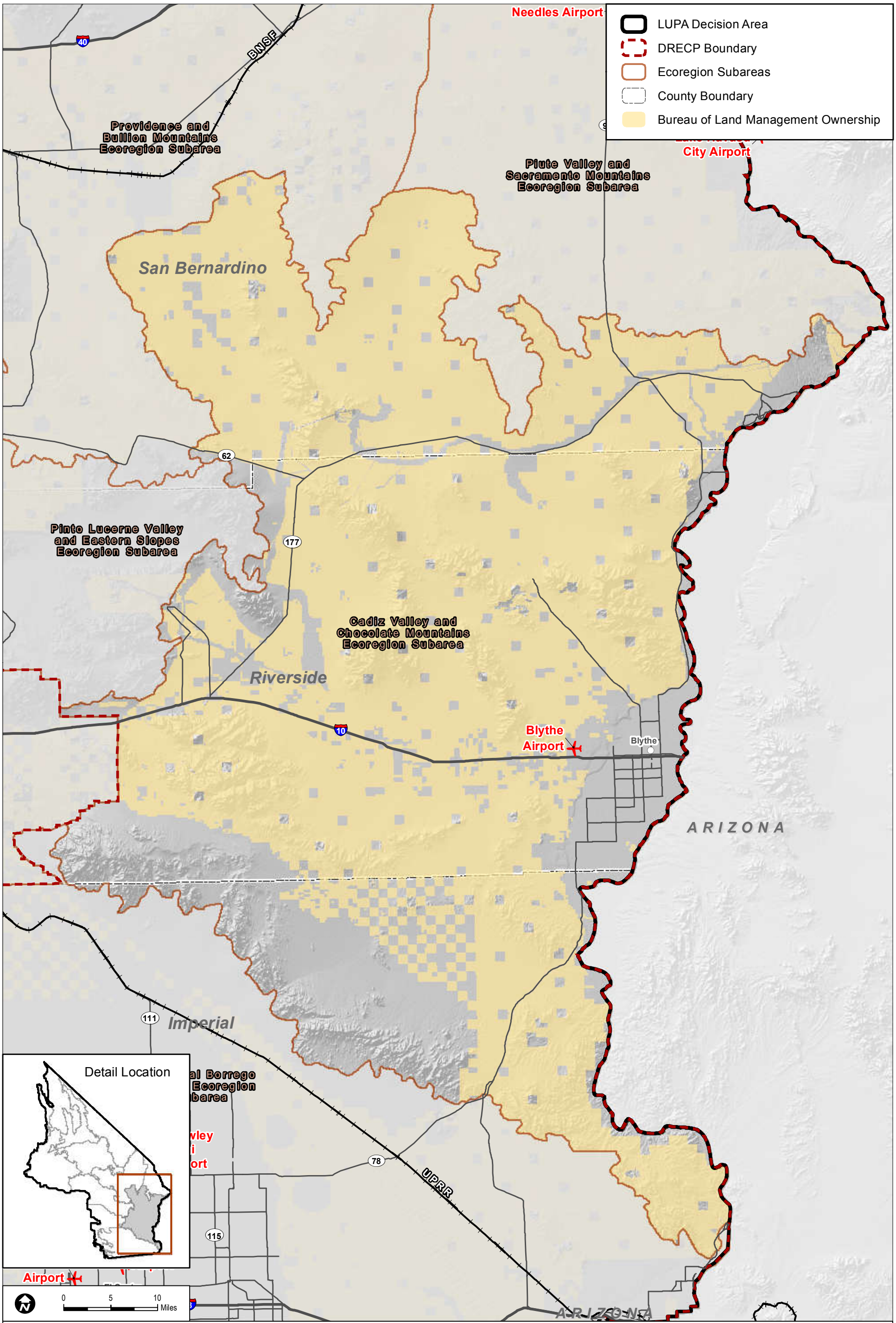
High Potential Mineral Locations within the CDCA Area Outside the DRECP Boundary - South



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.15-11b

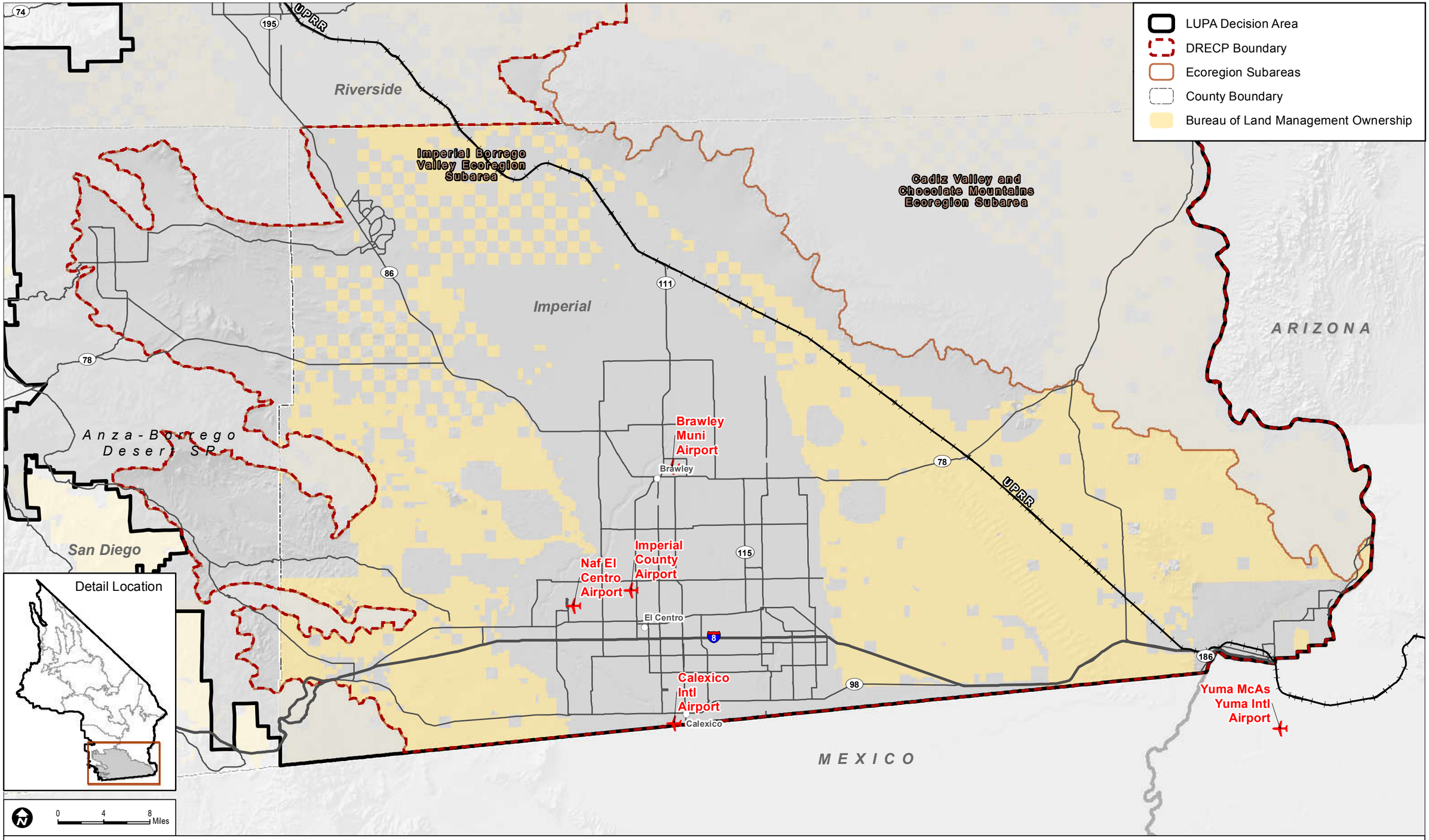
High Potential Mineral Locations within the CDCA Area Outside the DRECP Boundary - North



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-1

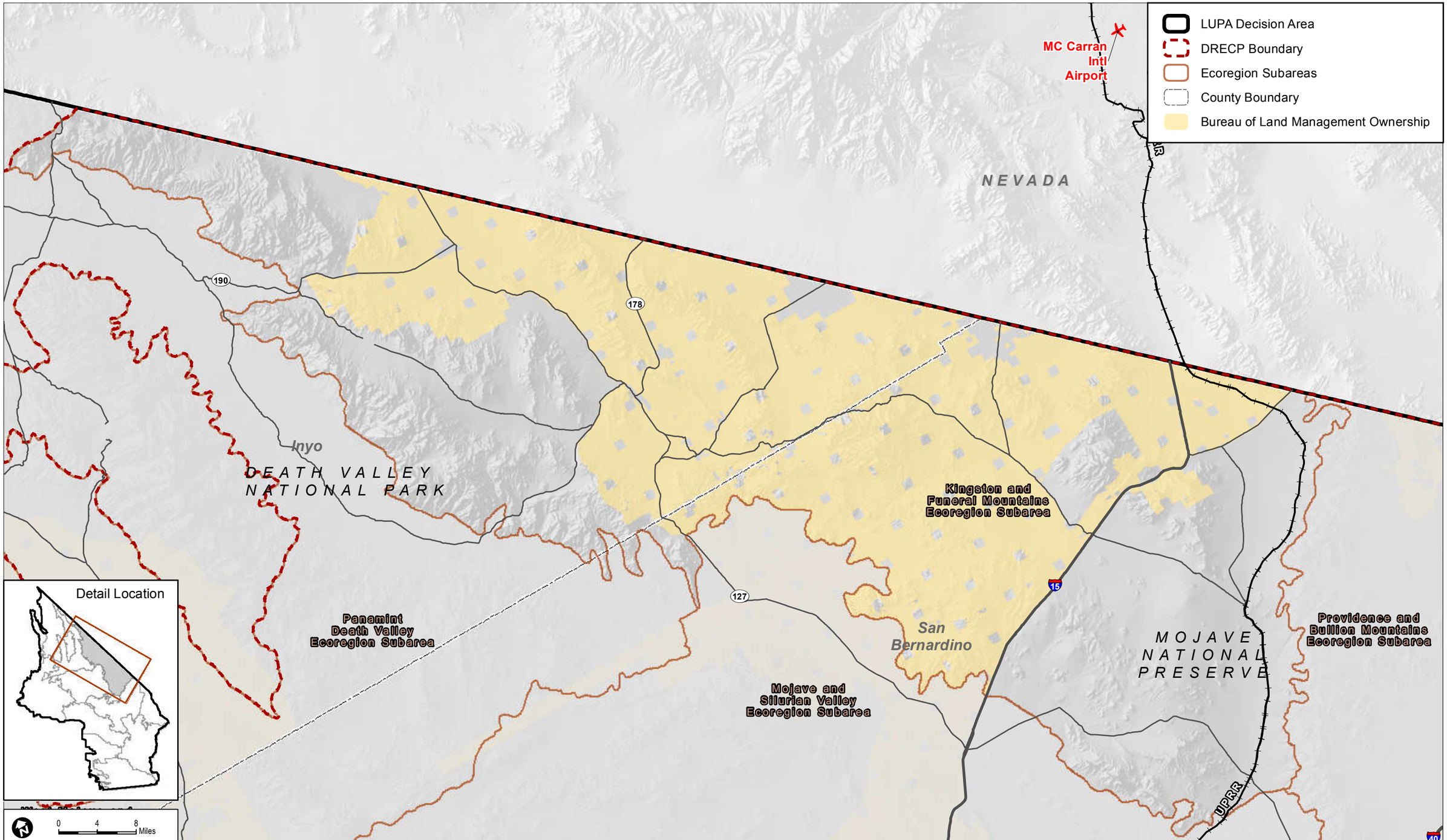
Transportation within the Cadiz Valley and Chocolate Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-2

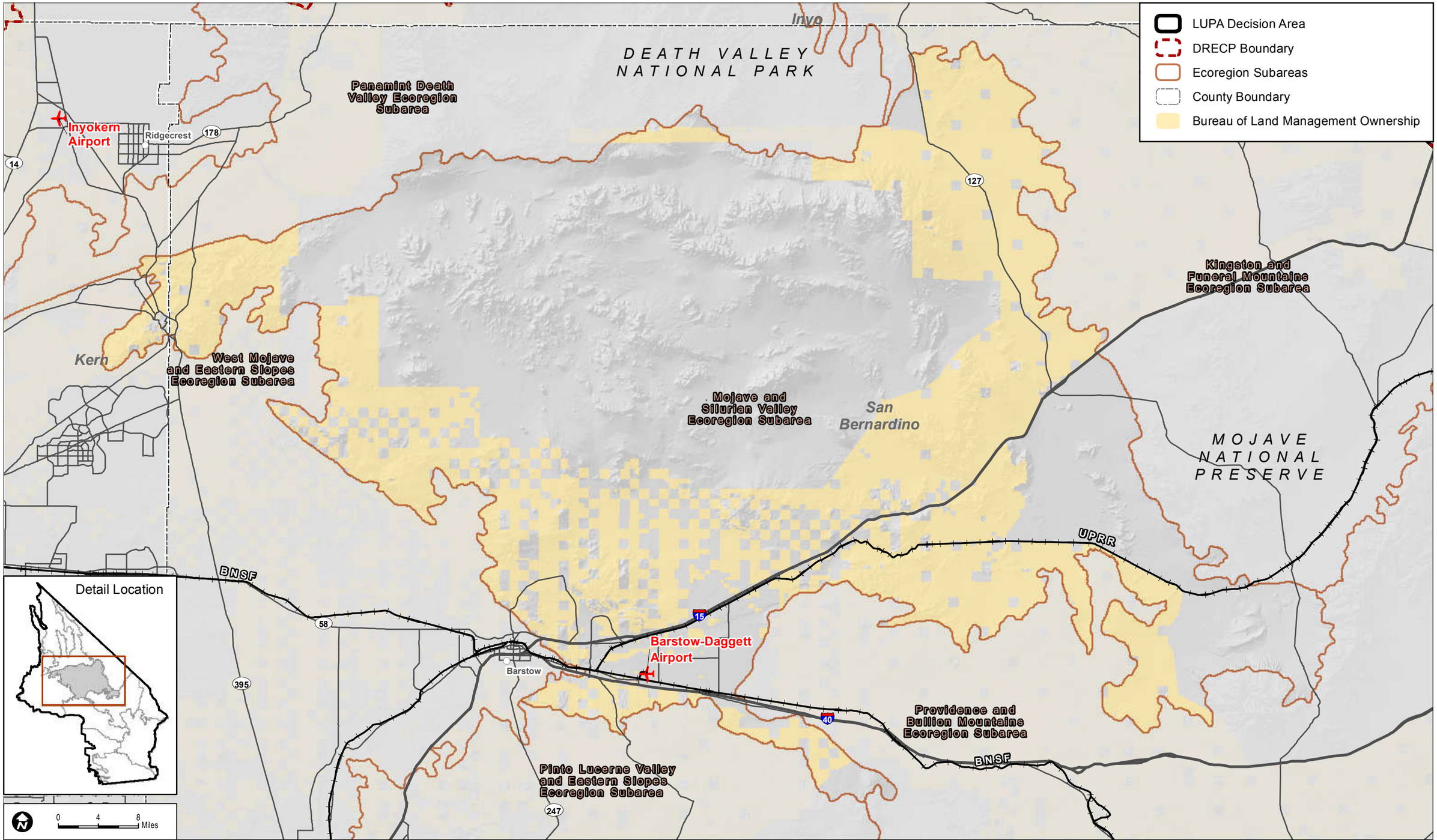
Transportation within the Imperial Borrego Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-3

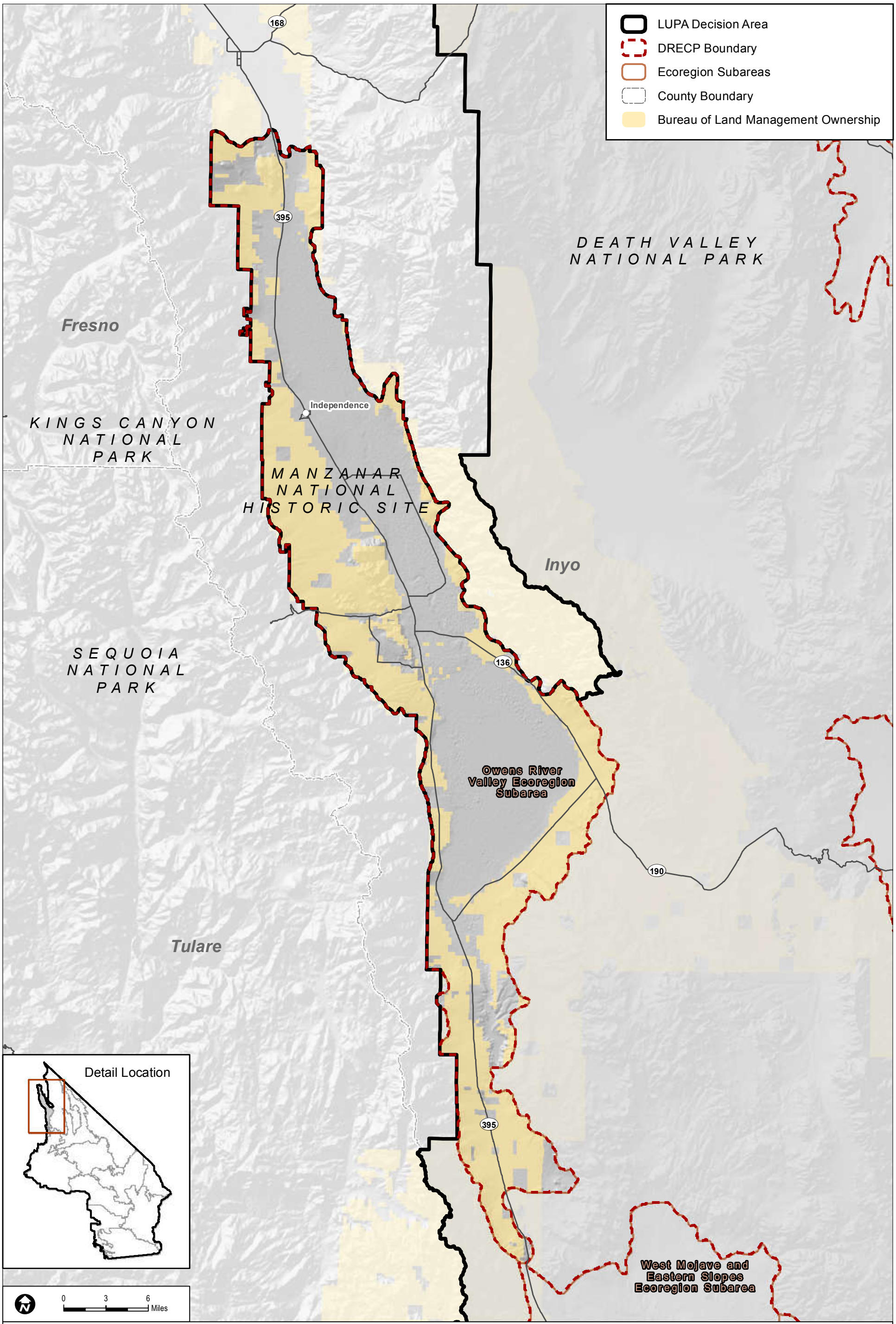
Transportation within the Kingston and Funeral Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-4

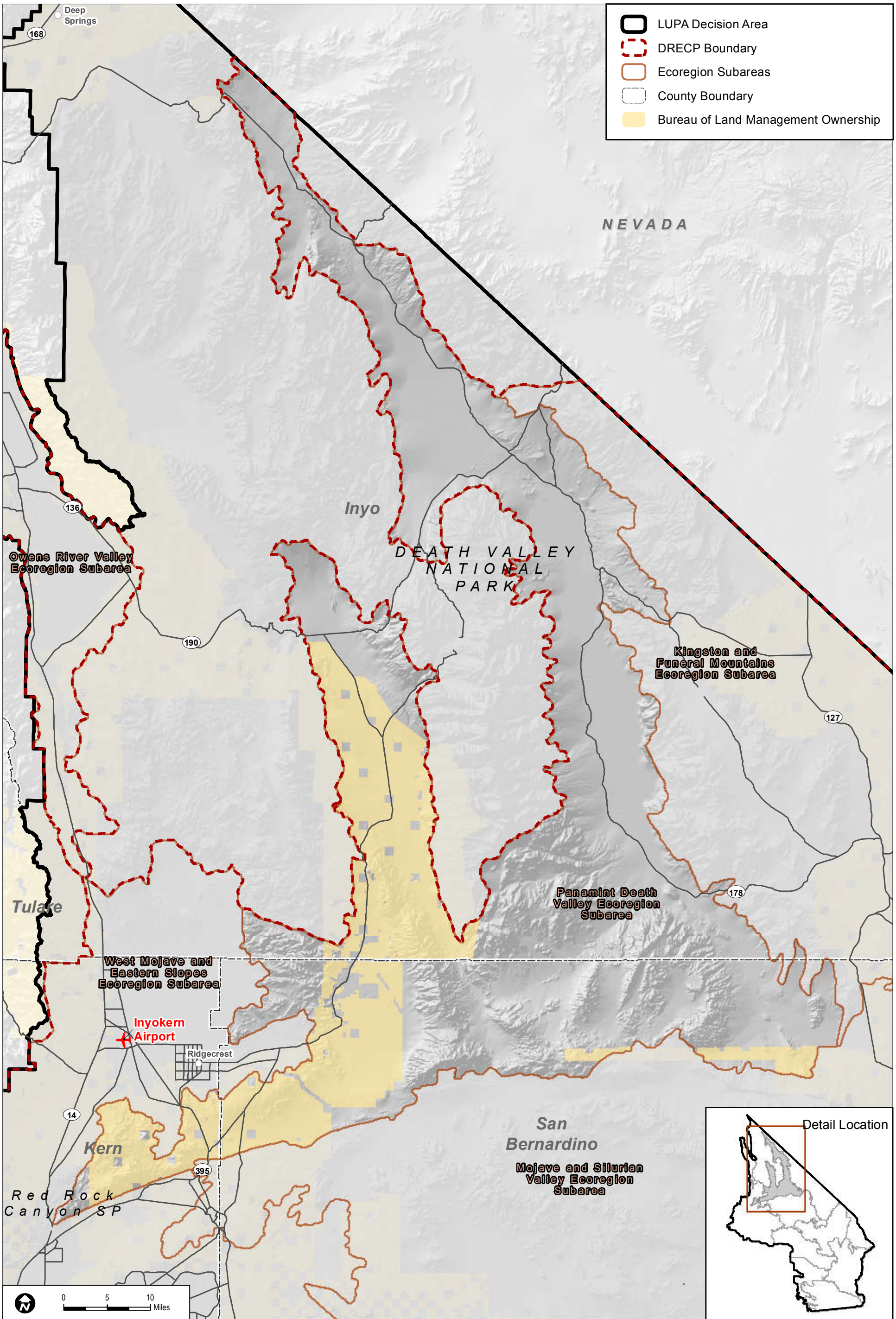
Transportation within the Mojave and Silurian Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-5

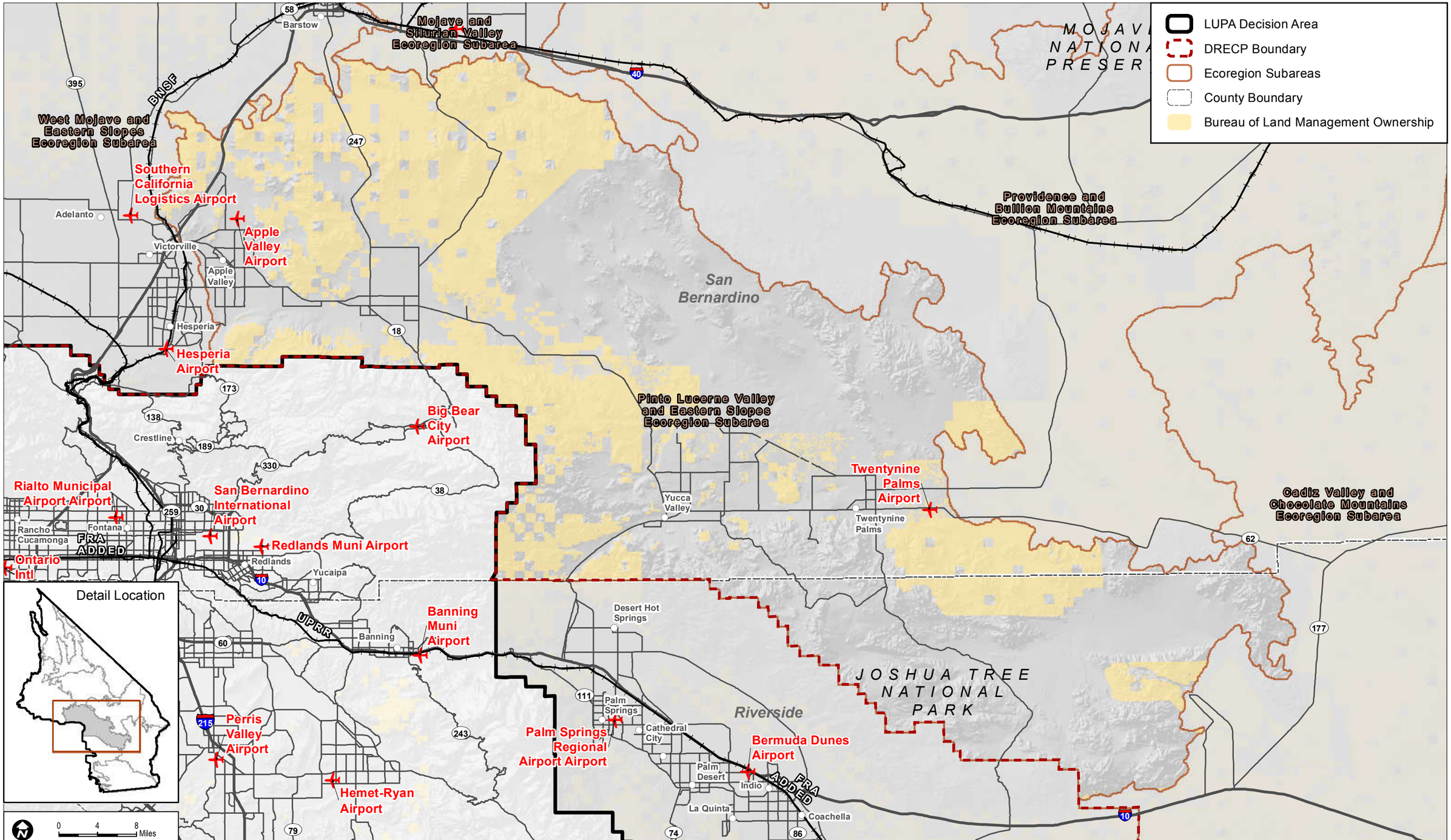
Transportation within the Owens River Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-6

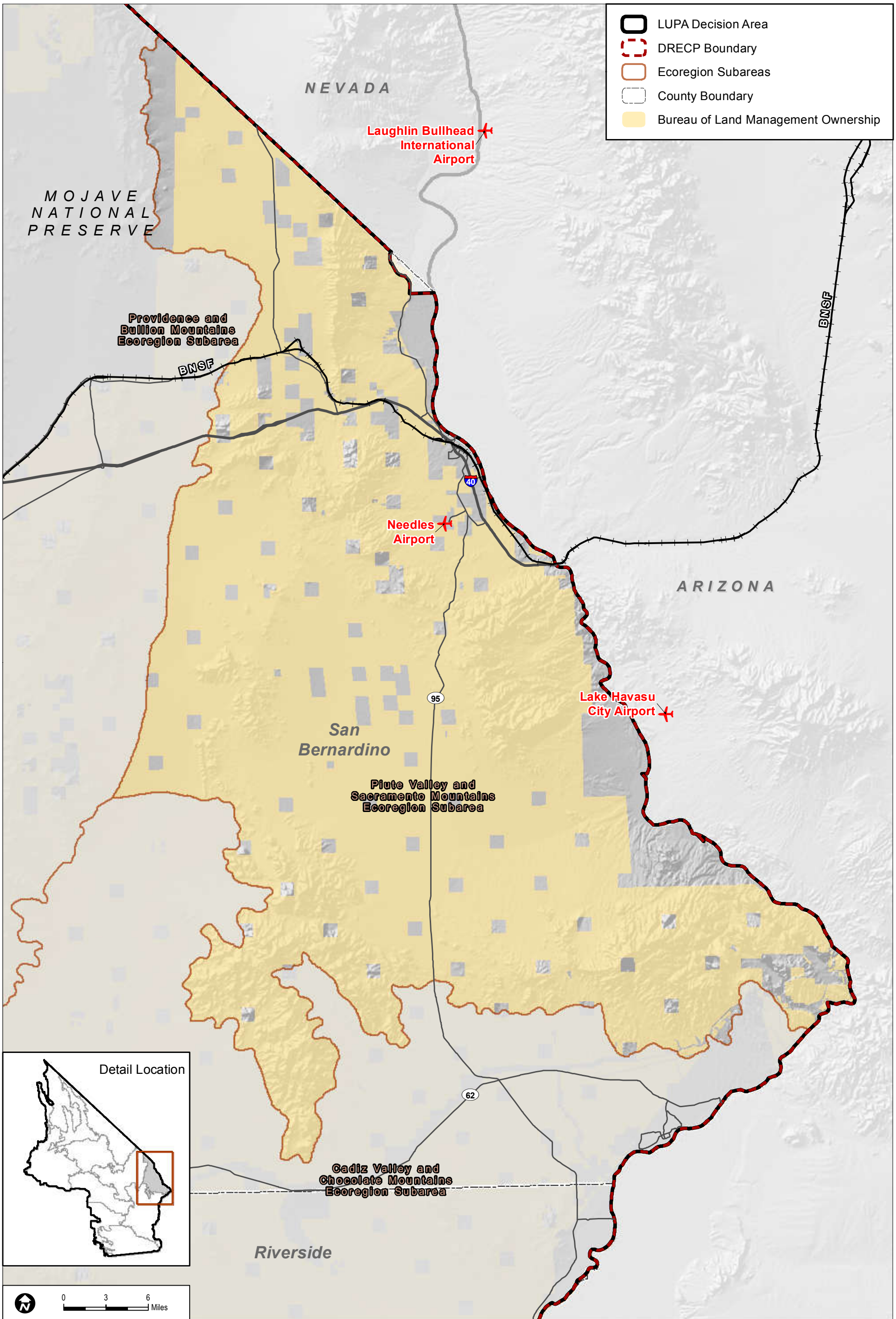
Transportation within the Panamint Death Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-7

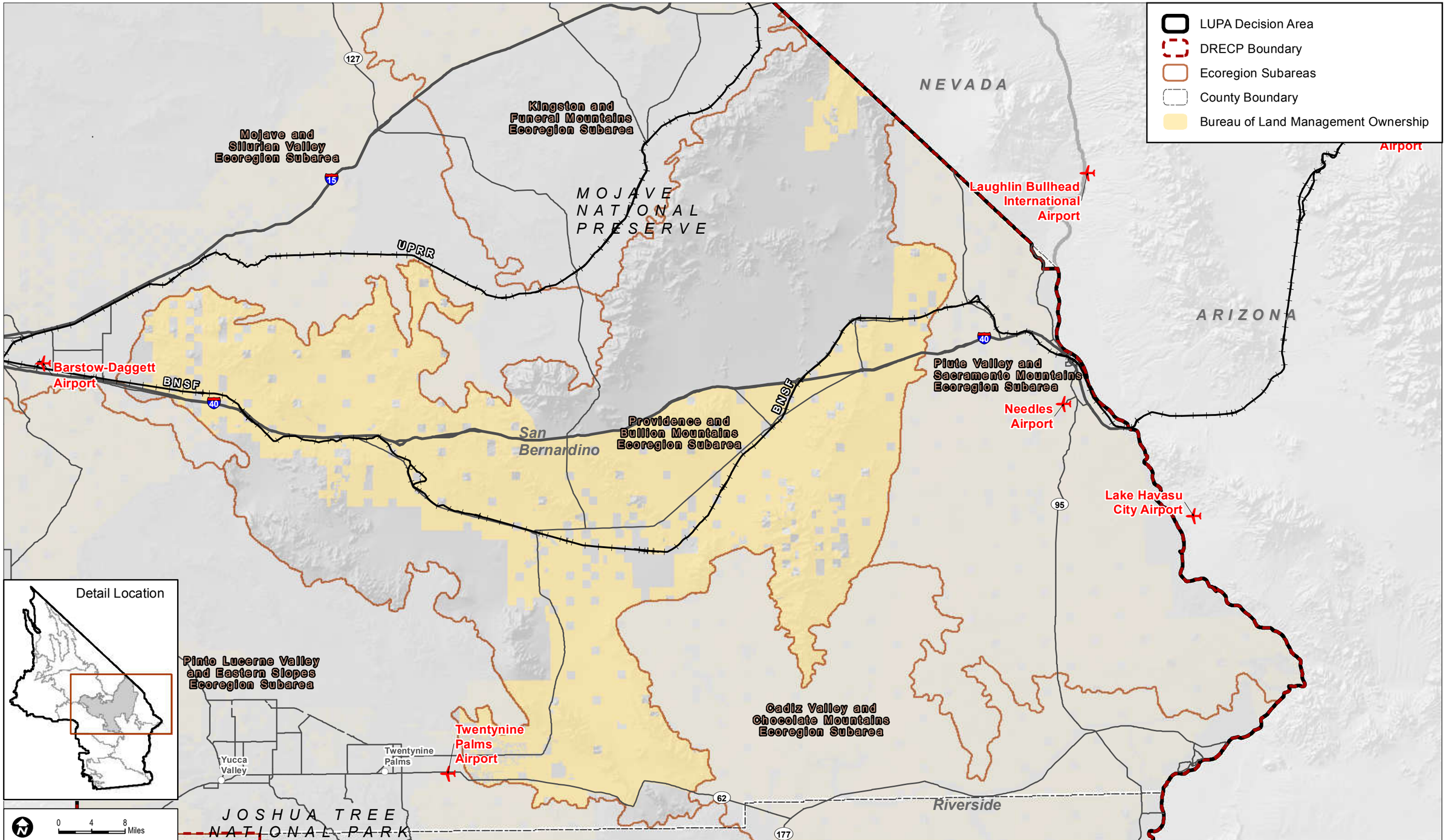
Transportation within the Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-8

Transportation within the Piute Valley and Sacrament Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-9

Transportation within the Providence and Bullion Mountains Ecoregion Subarea

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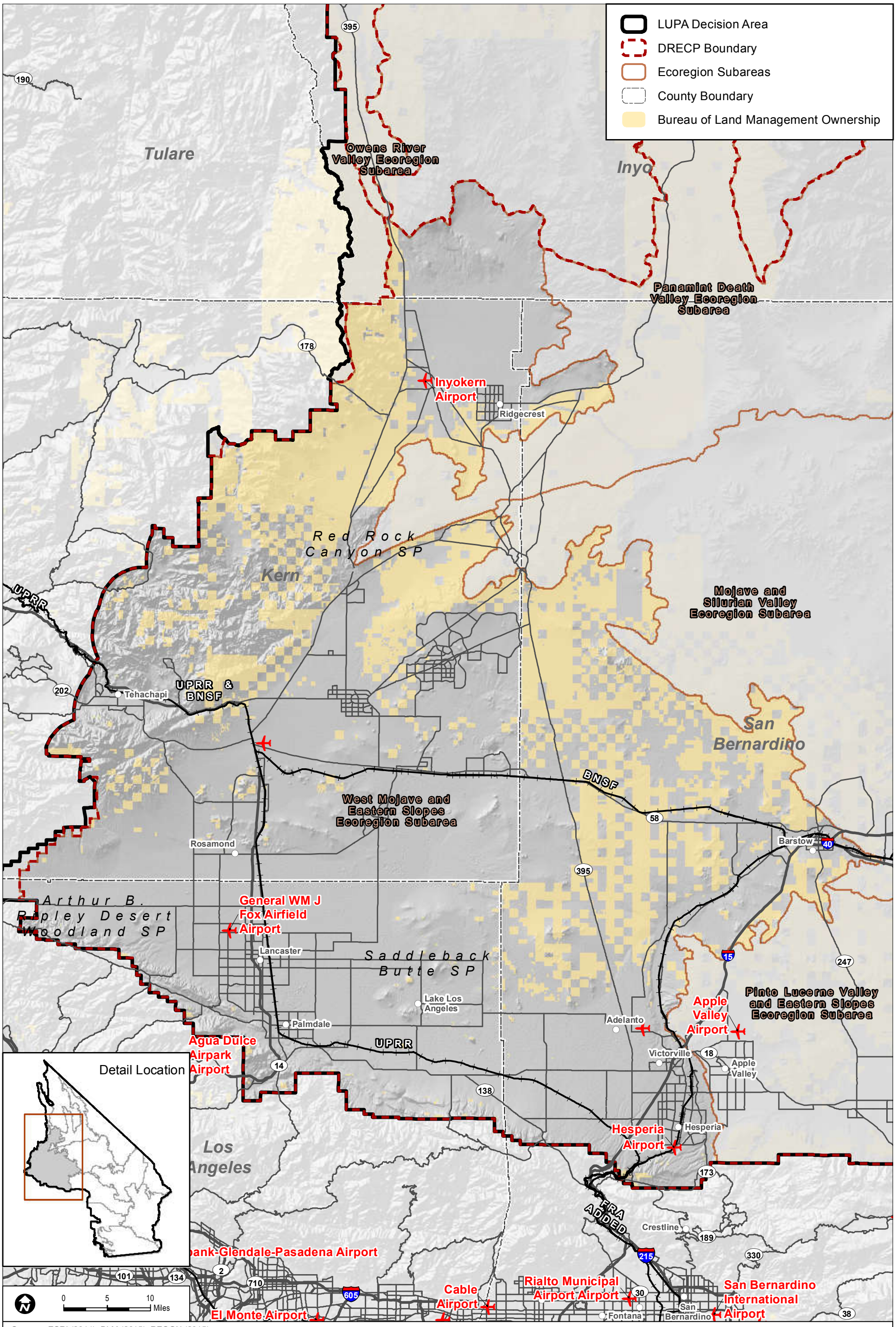
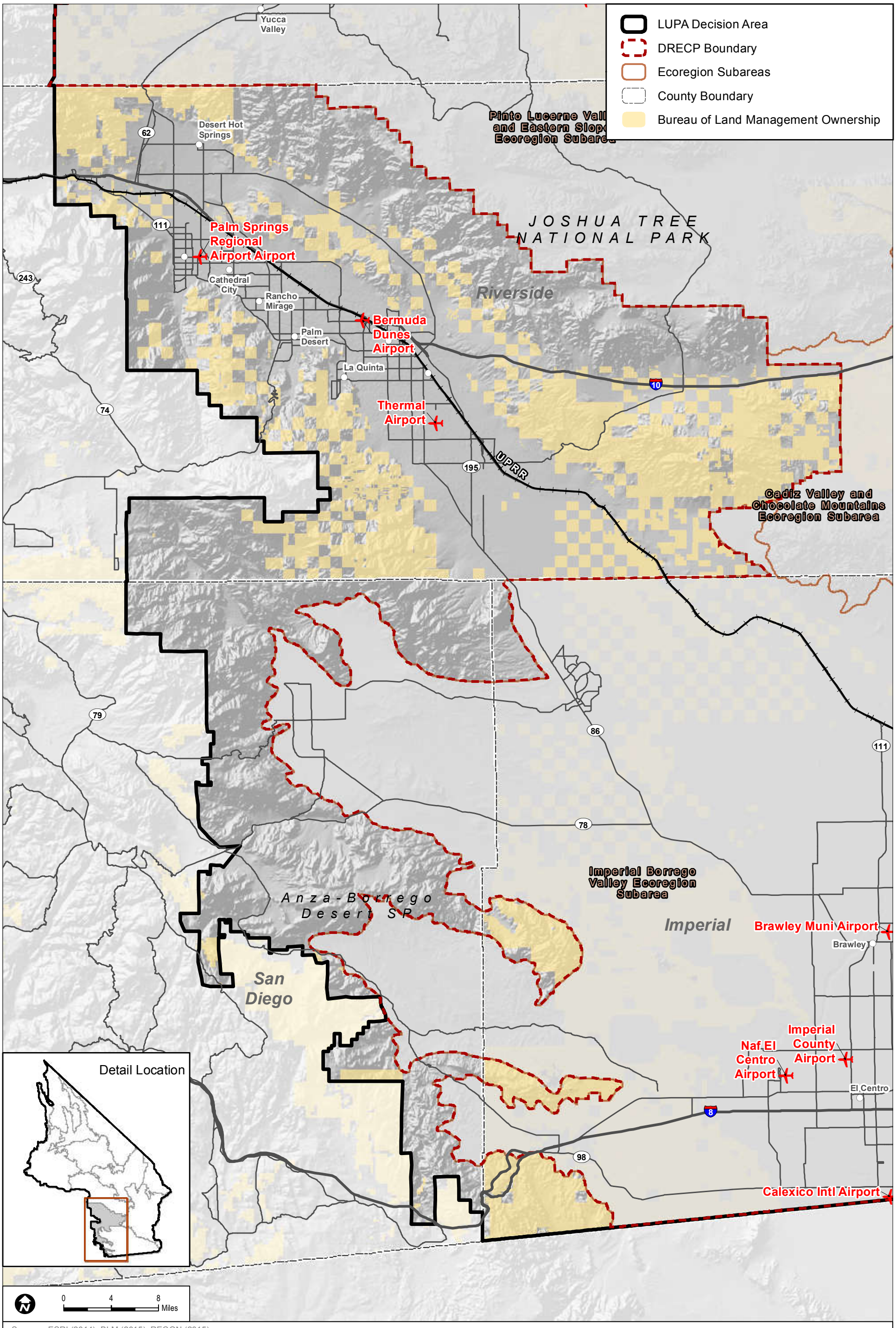


Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-10

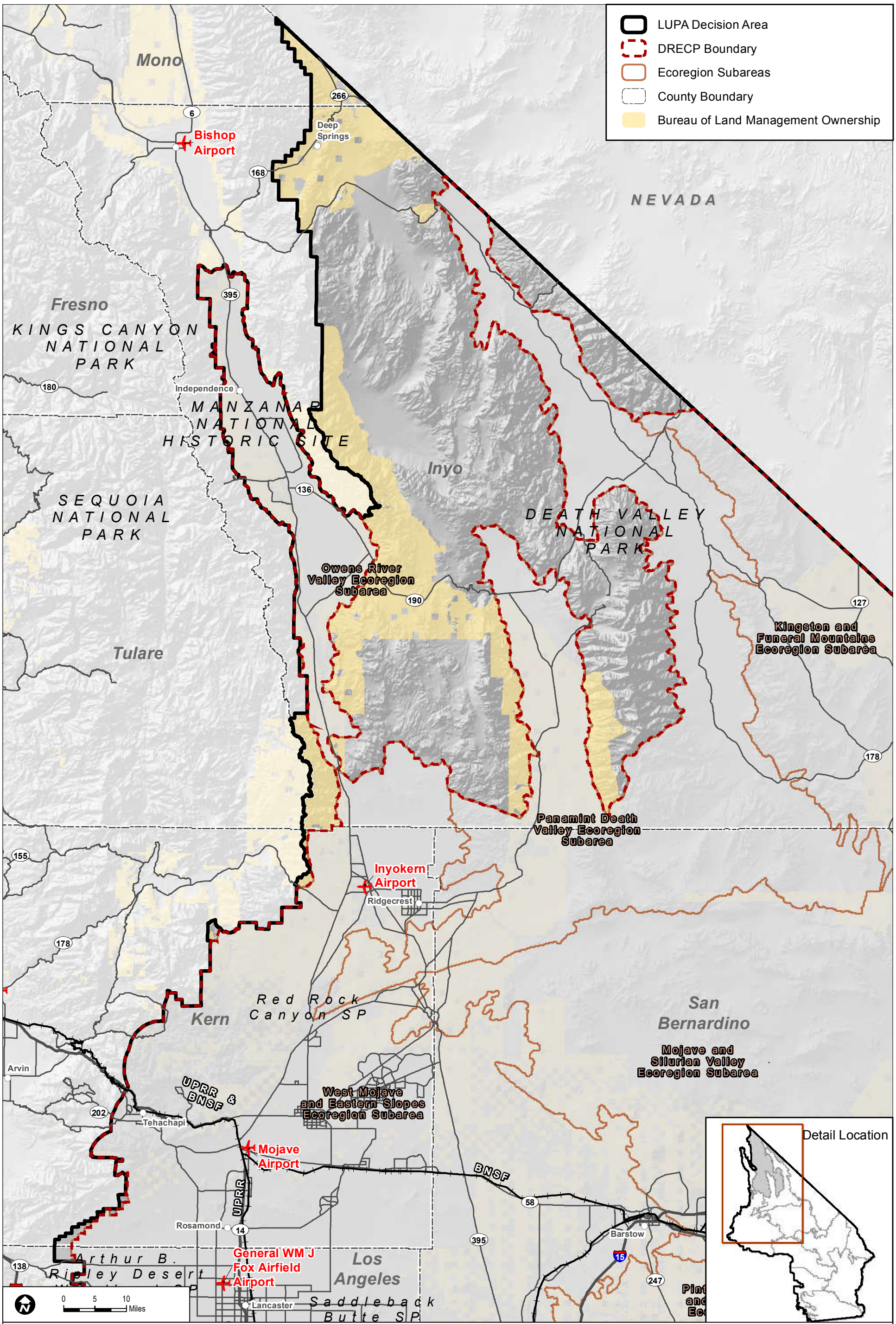
Transportation within the West Mojave and Eastern Slopes Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-11a

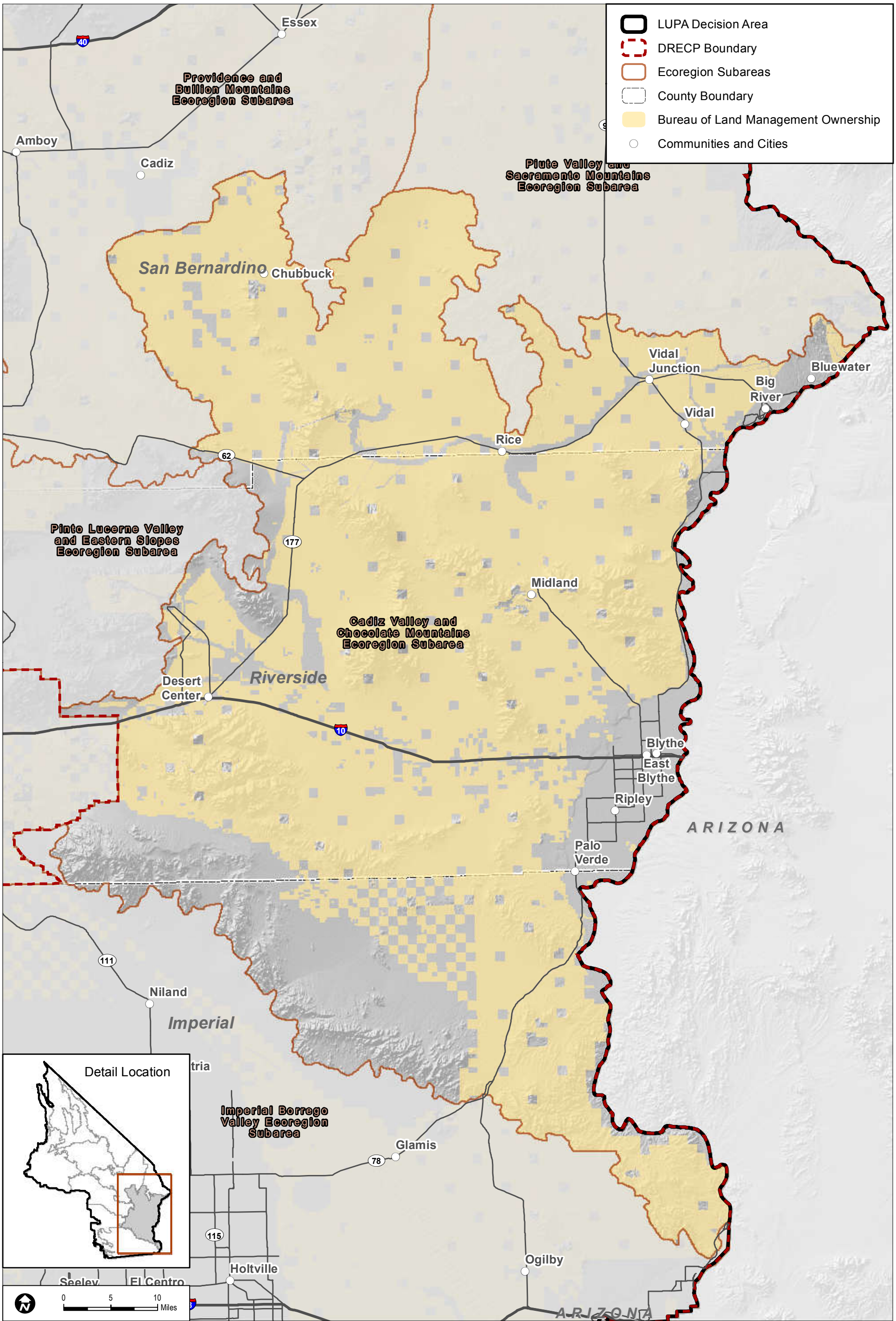
Transportation within the CDCA Area Outside the DRECP Boundary - South



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.19-11b

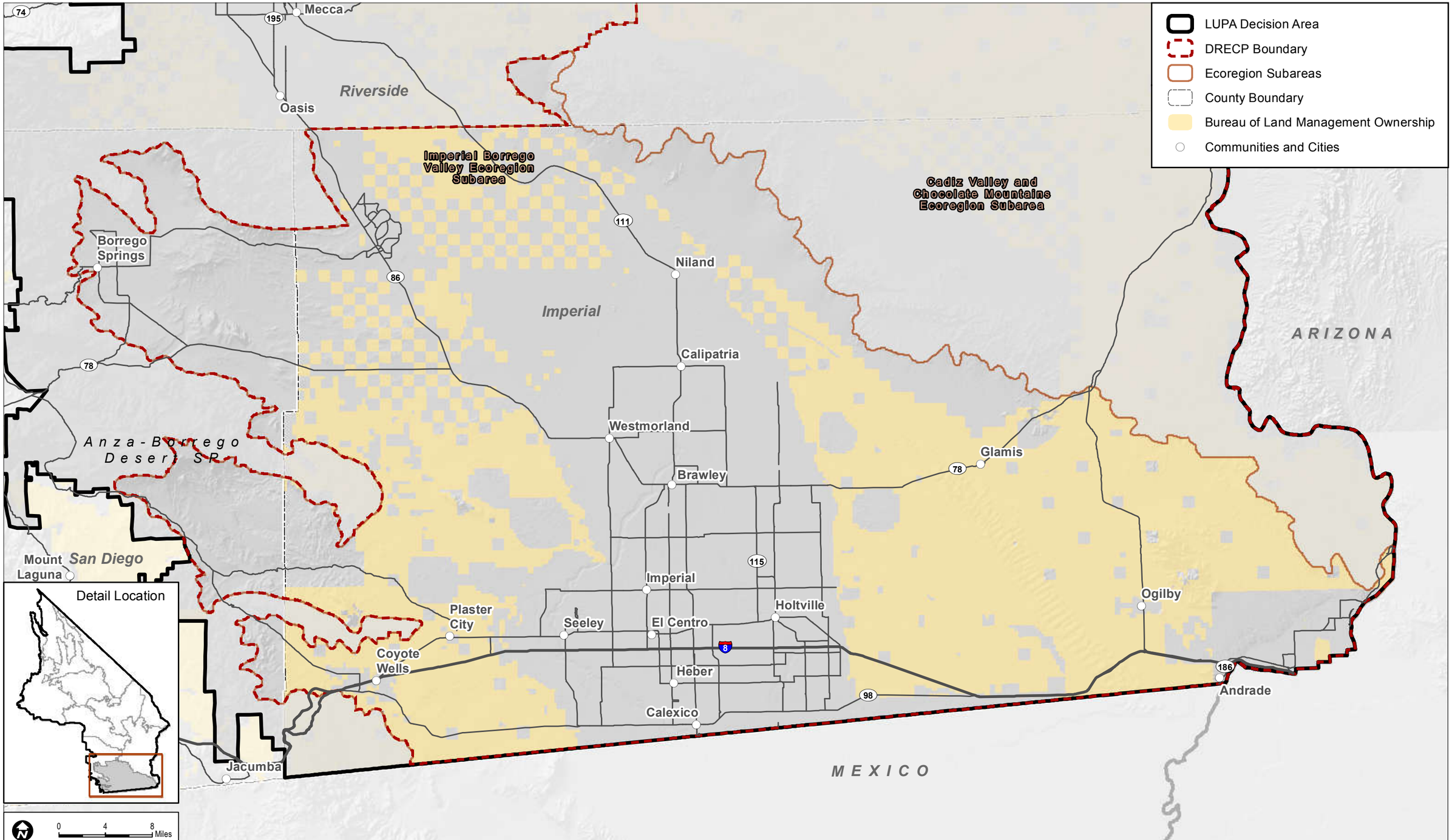
Transportation within the CDCA Area Outside the DRECP Boundary - North



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-1

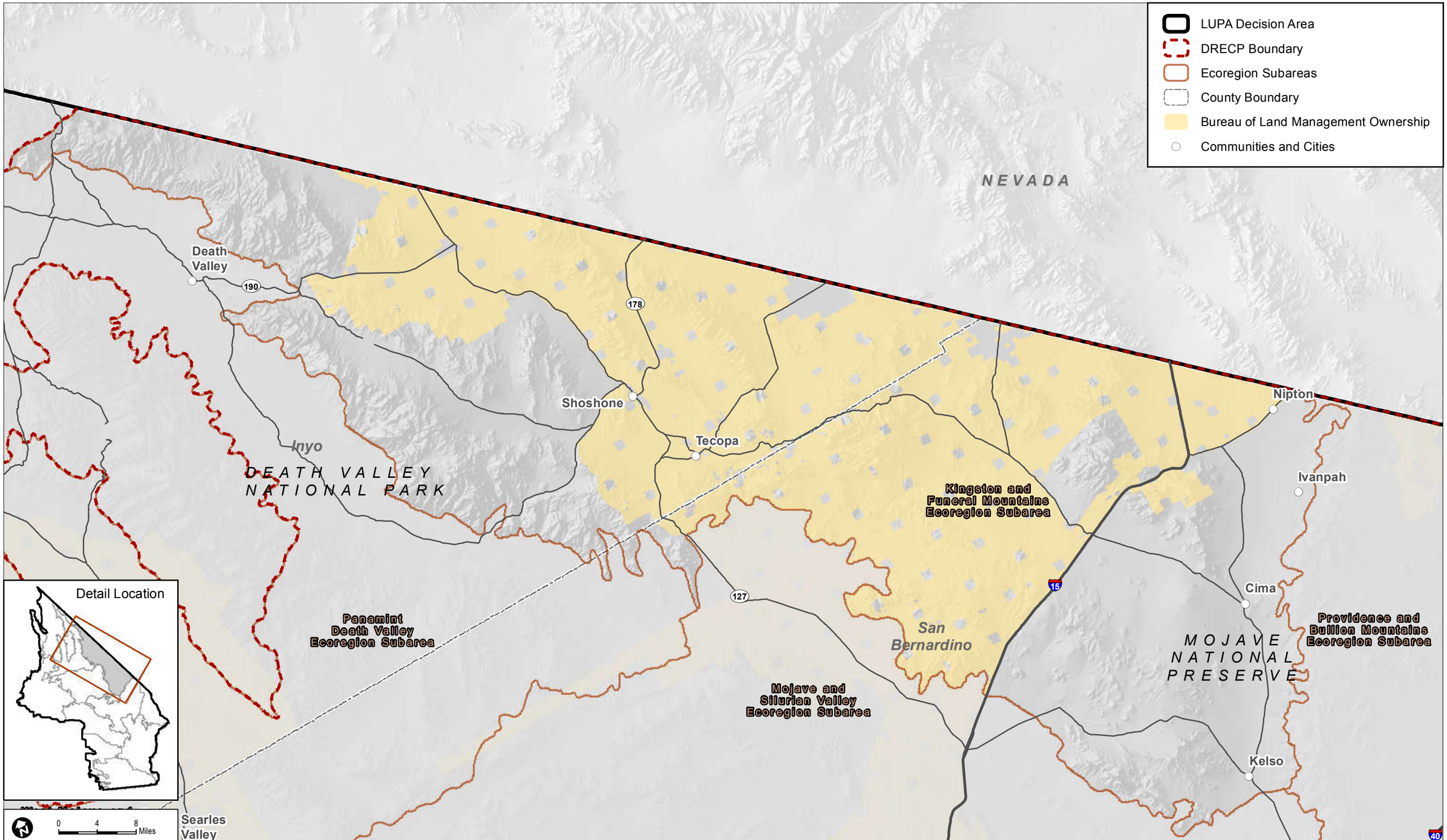
Communities and Cities in the Cadiz Valley and Chocolate Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-2

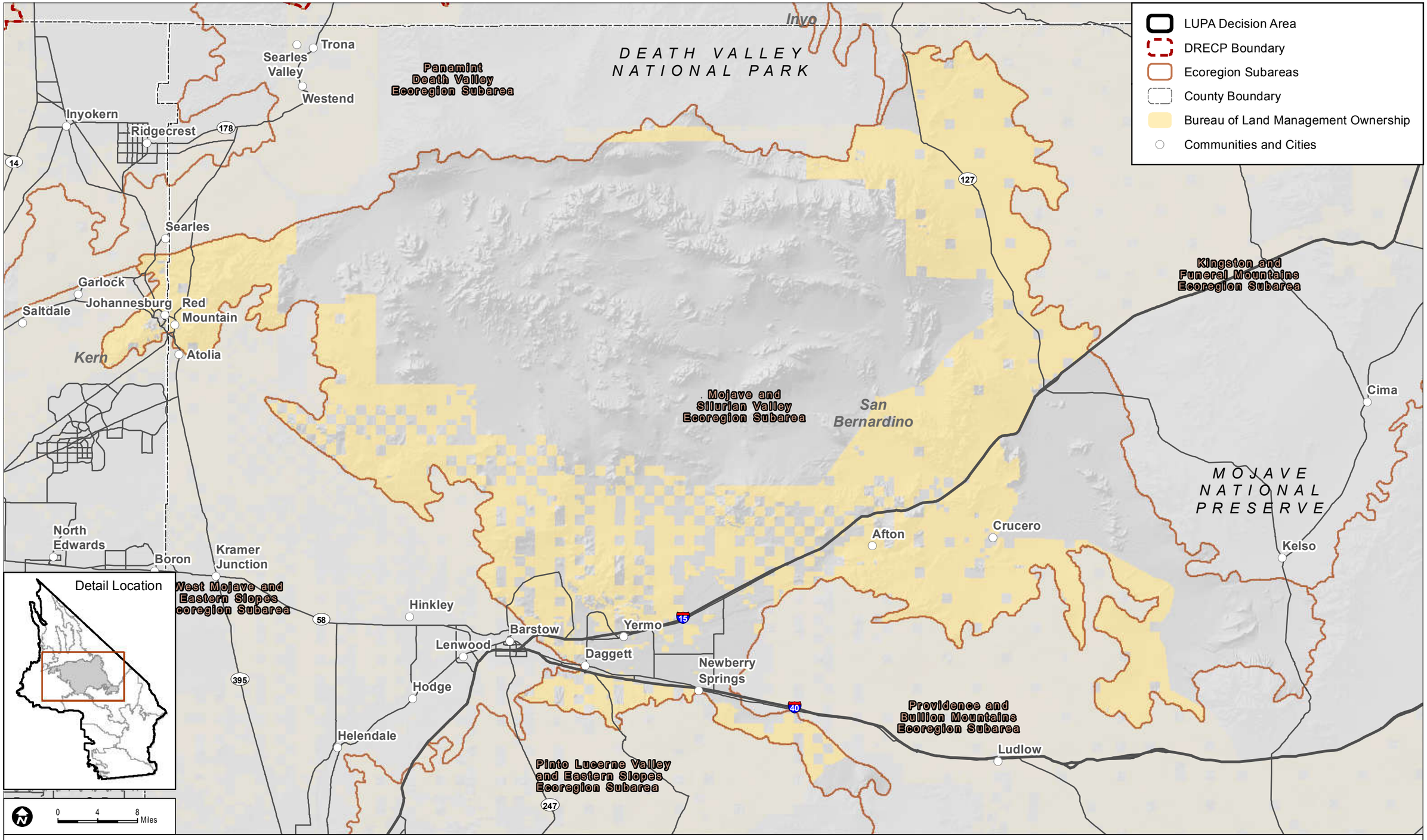
Communities and Cities in the Imperial Borrego Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-3

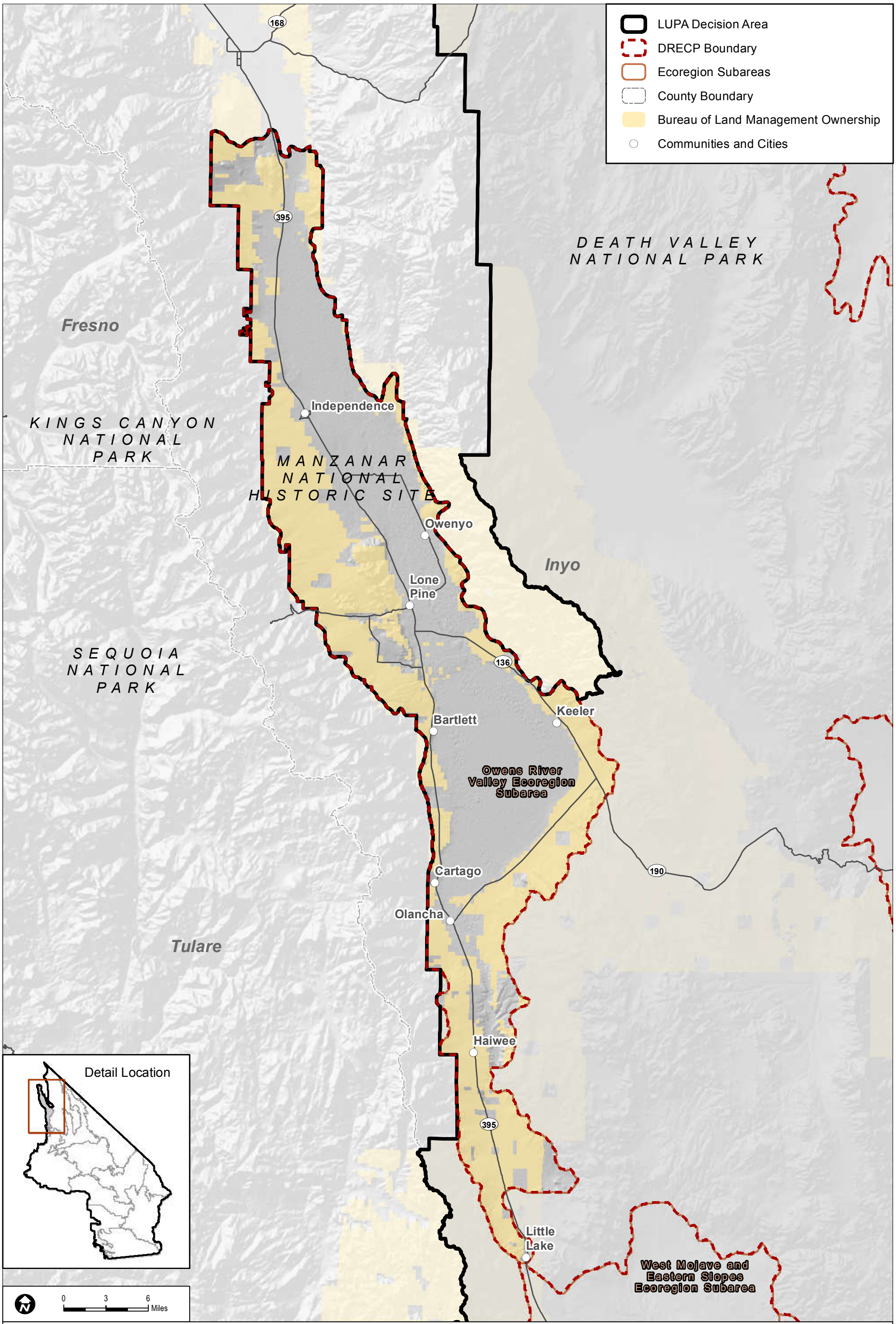
Communities and Cities in the Kingston and Funeral Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-4

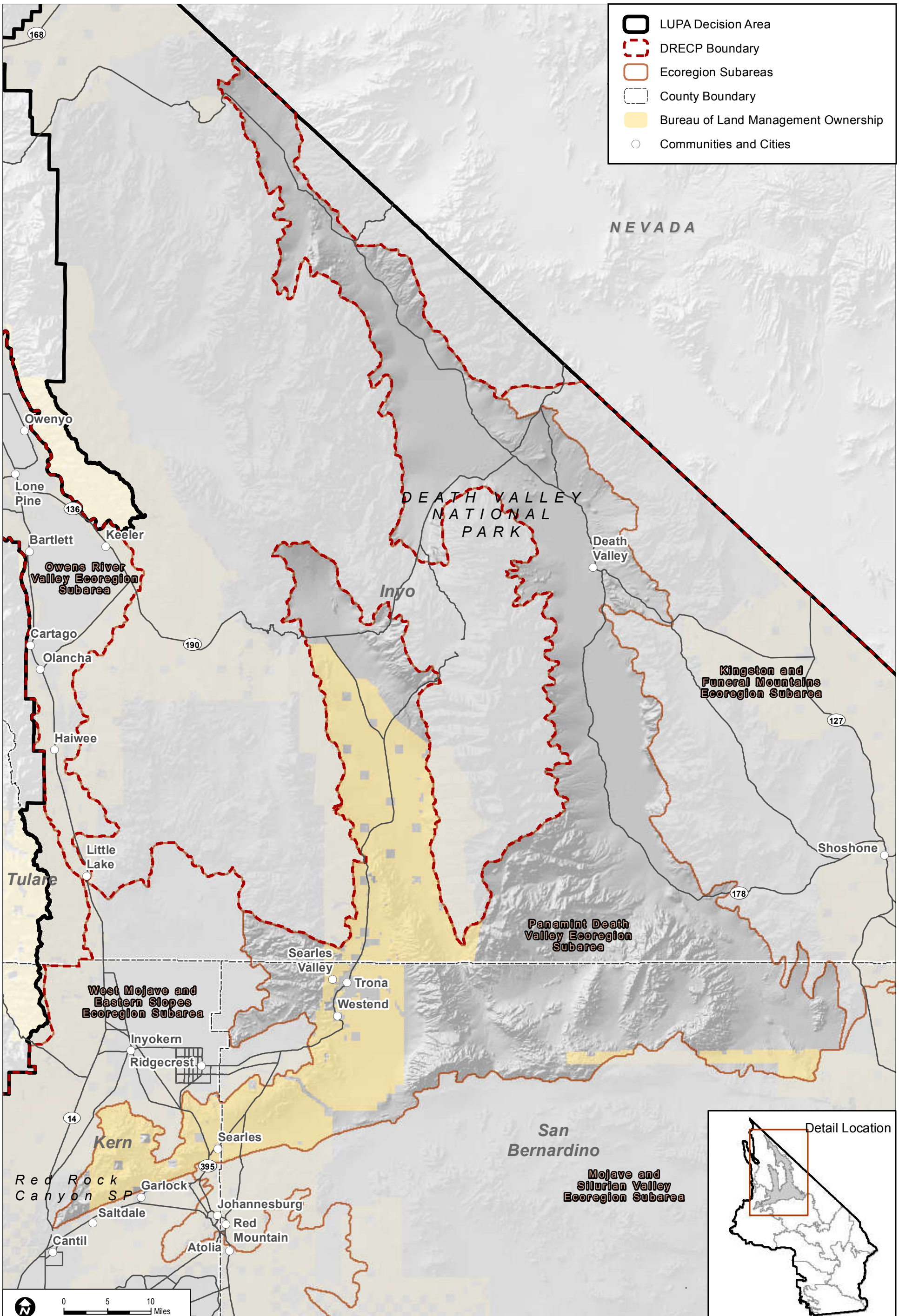
Communities and Cities in the Mojave and Silurian Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-5

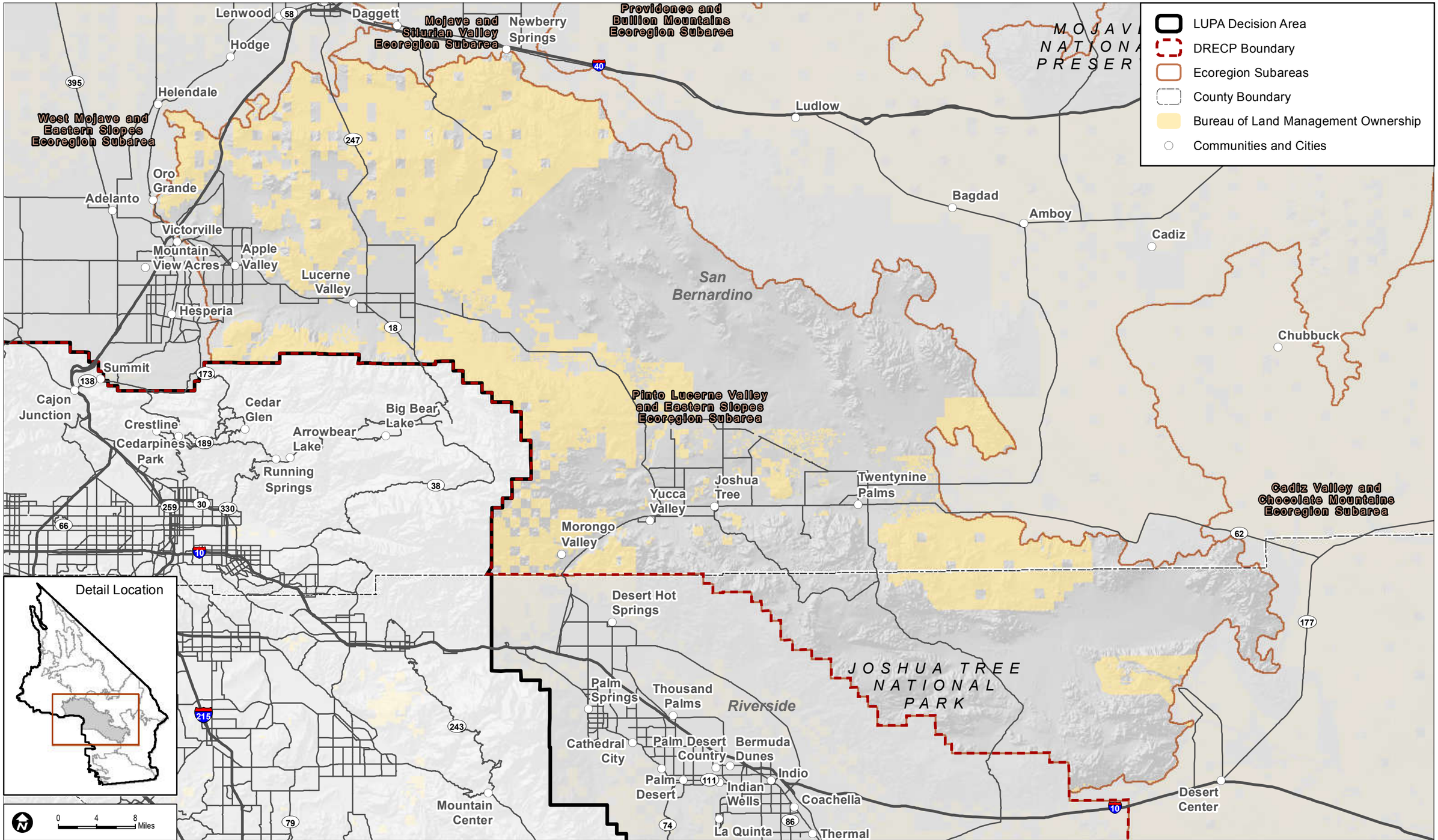
Communities and Cities in the Owens River Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-6

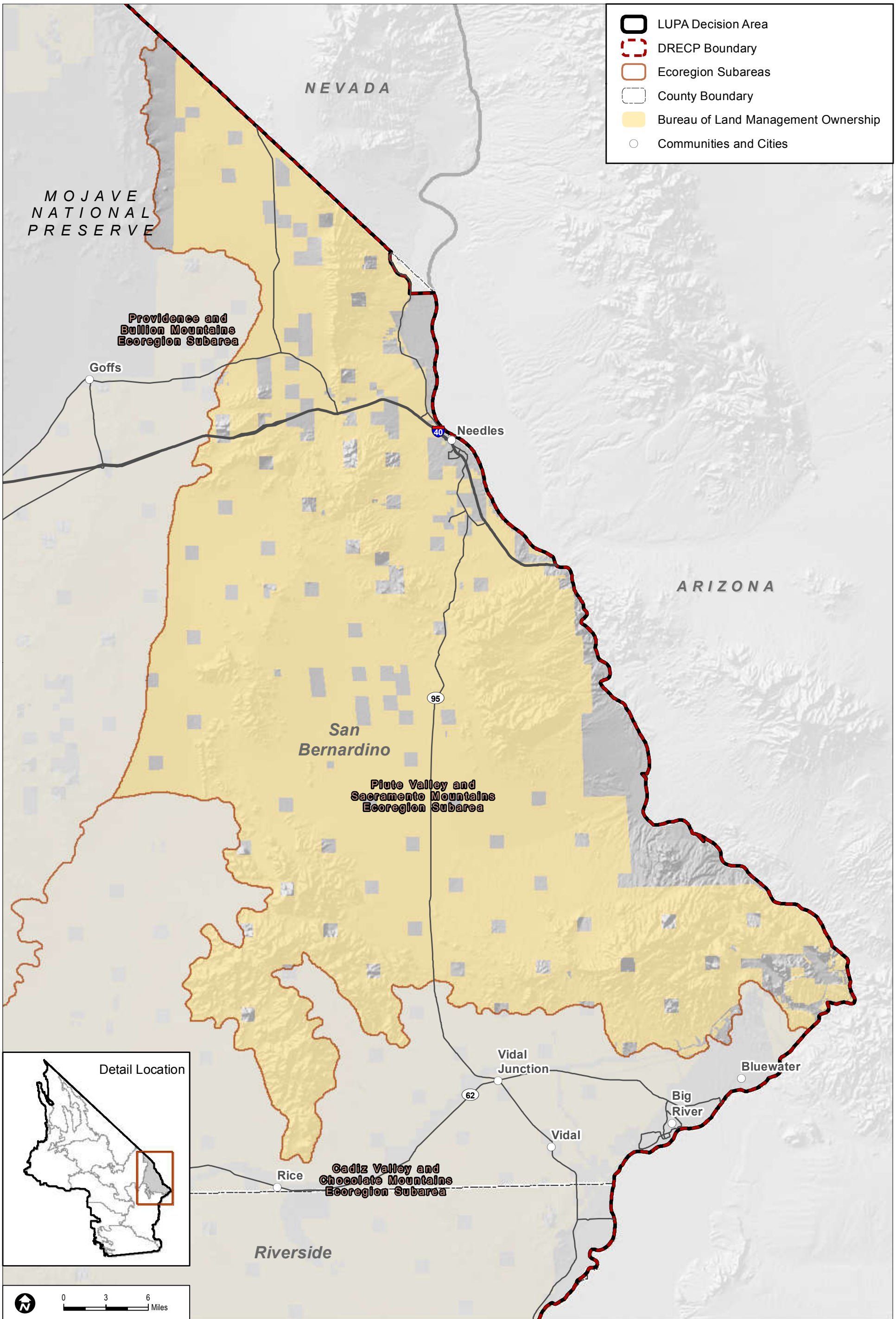
Communities and Cities in the Panamint Death Valley Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-7

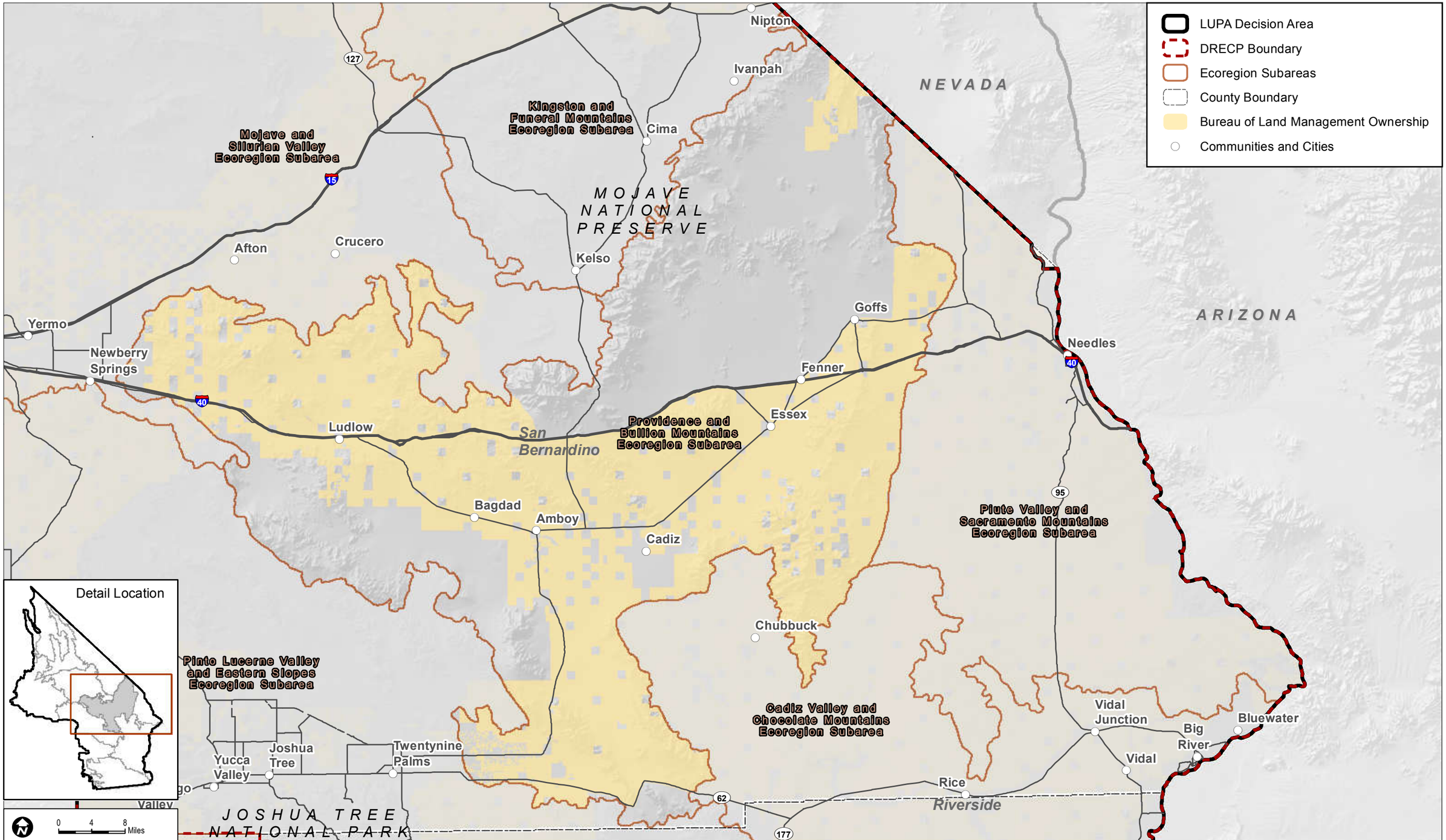
Communities and Cities in the Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-8

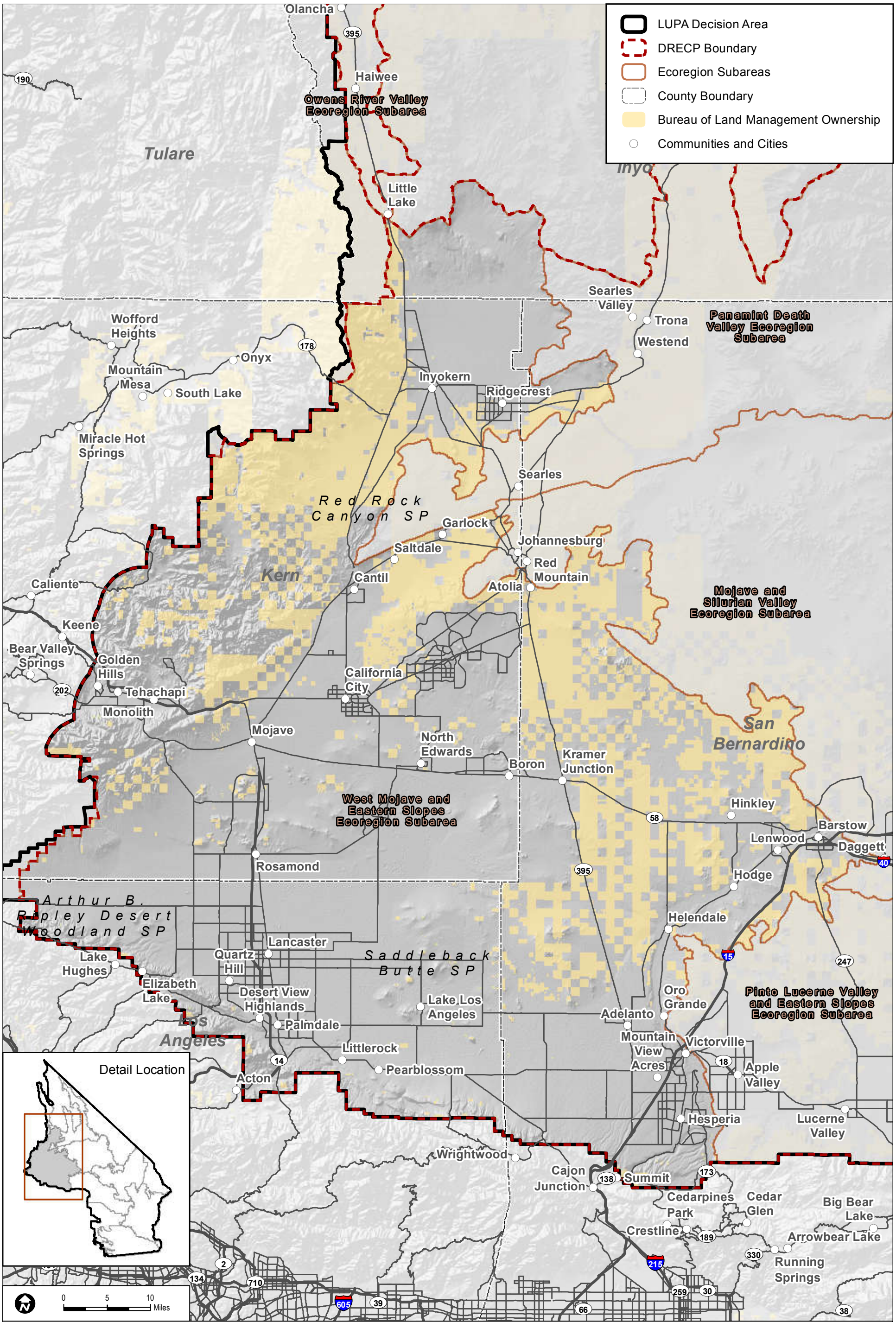
Communities and Cities in the Piute Valley and Sacramento Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-9

Communities and Cities in the Providence and Bullion Mountains Ecoregion Subarea



Sources: ESRI (2014); BLM (2015); RECON (2015)

FIGURE R1.21-10

Communities and Cities in the West Mojave and Eastern Slopes Ecoregion Subarea

Appendix R1.23 Socioeconomics and Environmental Justice

In Table R1.23-1, a shaded cell in the fourth column denotes Census tracts containing greater than 50% minority population, which corresponds to Figure R1.23-1. A shaded cell in the fifth column denotes Census tracts containing a low-income population equal to or greater than their respective county, which corresponds to Figure R1.23-2.

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
State of California				
Entire State	**37,325,068**	**22,347,558**	**59.9%**	**15.3%**
Imperial County				
Entire County	**173,487**	**149,611**	**86.2%**	**23.0%**
101.01	4,412	3,888	**88.1%**	15.0%
101.02	7,620	6,548	**85.9%**	**25.9%**
102	1,988	1,694	**85.2%**	**23.0%**
103	1,000	650	**65.0%**	5.3%
104	6,780	6,509	**96.0%**	**38.2%**
105	6,940	5,823	**83.9%**	19.6%
106	6,066	3,895	**64.2%**	13.2%
107	5,319	5,163	**97.1%**	**26.2%**
108	1,547	863	**55.8%**	16.2%
109	6,946	5,554	**80.0%**	**23.4%**
110	11,254	8,870	**78.8%**	14.6%
111	3,480	2,355	**67.7%**	15.9%

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
112.01	6,471	5,436	**84.0%**	13.9%
112.02	5,413	4,887	**90.3%**	**28.8%**
113	10,282	9,425	**91.7%**	18.6%
114	4,653	4,554	**97.9%**	**37.5%**
115	5,931	5,112	**86.2%**	**43.1%**
118.01	3,631	2,455	**67.6%**	5.6%
118.02	4,934	3,856	**78.2%**	20.9%
118.03	6,329	4,900	**77.4%**	3.9%
121	7,283	7,247	**99.5%**	**43.5%**
122	7,242	7,140	**98.6%**	17.4%
123.01	5,555	4,539	**81.7%**	**29.5%**
123.02	3,646	2,332	**64.0%**	**29.8%**
124	788	95	12.1%	**34.5%**
9400	2,674	2,218	**82.9%**	**39.7%**
Subtotal	***138,184***	***116,008***	***84.0%***	***23.2% (Average)***
Inyo County				
Entire County	**18,474**	**6,727**	**33.9%**	**11.3%**
5	2,363	591	25.0%	8.6%
Subtotal	***2,363***	***591***	***25.0%***	***8.6%***
Kern County				
Entire County	**839,153**	**515,581**	**61.4%**	**22.5%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
8	5,162	3,256	**63.1%**	19.0%
52.01	5,167	387	7.5%	18.1%
52.03	4,458	716	16.1%	**27.1%**
53	2,127	944	44.4%	**24.5%**
54.01	6,371	1,574	24.7%	13.3%
55.01	5,945	1,034	17.4%	14.6%
55.07	7,692	3,371	43.8%	**24.1%**
55.08	5,167	2,346	45.4%	**31.8%**
57	2,745	1,040	37.9%	1.1%
58.01	6,821	3,770	**55.3%**	14.8%
58.02	7,030	4,308	**61.3%**	**33.4%**
59	3,344	2,317	**69.3%**	**34.6%**
60.04	1,637	379	23.2%	11.9%
60.07	6,491	1,889	29.1%	11.1%
65	2,899	1,144	39.5%	**29.0%**
Subtotal	***73,056***	***28,475***	***39.0%***	***22.0% (Average)***
Los Angeles County				
Entire County	**9,840,024**	**7,108,419**	**72.2%**	**17.1%**
9001.02	791	432	**54.6%**	**28.3%**
9001.03	6,482	4,325	**66.7%**	**31.8%**
9001.04	5,603	3,869	**69.1%**	**21.6%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
9002.01	1,201	434	36.1%	10.0%
9003	3,853	2,189	**56.8%**	13.6%
9005.01	6,475	5,083	**78.5%**	**28.9%**
9005.04	5,508	4,117	**74.7%**	10.6%
9005.05	4,169	2,888	**69.3%**	**28.3%**
9005.06	4,647	3,753	**80.8%**	15.8%
9005.07	7,944	5,432	**68.4%**	**25.3%**
9005.08	3,331	2,200	**66.0%**	**21.2%**
9006.02	5,324	4,122	**77.4%**	**39.9%**
9006.05	7,055	4,690	**66.5%**	**20.4%**
9006.06	3,898	2,809	**72.1%**	**31.5%**
9006.07	4,510	3,459	**76.7%**	**38.9%**
9006.08	3,335	2,300	**69.0%**	**24.1%**
9006.09	5,339	4,230	**79.2%**	**32.8%**
9007.01	4,749	3,098	**65.2%**	**27.2%**
9007.03	3,763	2,064	**54.8%**	**27.9%**
9007.04	2,863	1,705	**59.6%**	**21.3%**
9007.05	4,627	2,160	46.7%	**19.1%**
9008.03	9,910	7,987	**80.6%**	16.1%
9008.04	2,911	2,320	**79.7%**	**32.5%**
9008.05	4,817	2,720	**56.5%**	**17.9%**
9008.06	3,089	2,025	**65.6%**	**37.9%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
9009	3,690	1,419	38.5%	12.4%
9010.04	12,411	6,376	**51.4%**	12.3%
9010.07	2,250	1,023	45.5%	7.8%
9010.08	2,970	1,476	49.7%	8.3%
9010.09	5,667	2,493	44.0%	**20.4%**
9010.10	6,007	3,690	**61.4%**	**32.1%**
9010.11	4,903	2,148	43.8%	11.9%
9100.01	5,814	4,612	**79.3%**	11.1%
9100.02	6,351	4,099	**64.5%**	**18.2%**
9101.01	1,275	1,081	**84.8%**	**39.0%**
9102.01	4,432	3,469	**78.3%**	**35.2%**
9102.02	5,612	2,410	42.9%	3.4%
9102.05	1,073	413	38.5%	4.4%
9102.06	3,229	2,228	**69.0%**	2.3%
9102.07	5,689	3,259	**57.3%**	7.6%
9102.08	6,681	4,364	**65.3%**	13.5%
9102.09	4,004	2,019	**50.4%**	6.9%
9102.10	7,063	3,639	**51.5%**	4.3%
9104.01	6,475	4,206	**65.0%**	7.5%
9104.02	3,251	2,769	**85.2%**	**37.8%**
9104.03	2,351	2,176	**92.6%**	**56.5%**
9104.04	3,916	3,107	**79.3%**	**37.1%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
9105.01	5,438	5,074	**93.3%**	**54.9%**
9105.02	4,145	3,474	**83.8%**	**38.3%**
9105.04	4,878	4,253	**87.2%**	**28.2%**
9105.05	3,017	2,366	**78.4%**	16.2%
9106.01	6,308	5,264	**83.4%**	**28.9%**
9106.02	3,420	2,746	**80.3%**	**30.9%**
9106.03	7,328	5,733	**78.2%**	11.6%
9106.05	4,450	3,570	**80.2%**	**29.6%**
9106.06	2,954	2,531	**85.7%**	**29.8%**
9107.05	12,059	10,801	**89.6%**	9.3%
9107.06	6,042	5,348	**88.5%**	**20.7%**
9107.07	4,666	3,695	**79.2%**	**18.5%**
9107.09	1,663	744	44.7%	11.9%
9107.11	7,615	6,157	**80.9%**	**19.5%**
9107.12	2,657	2,173	**81.8%**	11.1%
9107.13	5,843	4,827	**82.6%**	**17.5%**
9107.14	3,961	3,587	**90.6%**	**22.3%**
9107.15	6,656	5,467	**82.1%**	**18.1%**
9107.16	5,783	4,213	**72.9%**	14.4%
9108.04	3,087	622	20.1%	9.8%
9108.05	4,204	774	18.4%	11.7%
9108.11	339	120	35.4%	12.3%

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
9108.12	407	81	19.9%	5.7%
9110.01	3,709	1,336	36.0%	10.7%
9303.01	909	397	43.7%	6.6%
9800.03	0	0	0.0%	0.0%
9800.04	23	19	**82.6%**	**47.8%**
Subtotal	***332,869***	***228,169***	***68.5%***	***20.9% (Average)***
Riverside County				
Entire County	***2,192,982***	***1,325,402***	***60.4%***	***15.6%***
456.04	12,237	11,885	**97.1%**	**45.4%**
456.05	9,439	8,030	**85.1%**	**42.5%**
459	2,080	1,440	**69.2%**	**22.3%**
461.01	3,844	2,236	**58.2%**	13.3%
461.02	1,826	1,567	**85.8%**	**28.5%**
461.03	2,872	1,374	47.8%	5.5%
462	3,423	2,710	**79.2%**	**25.7%**
469	3,513	2,498	**71.1%**	**26.4%**
470	1,814	588	32.4%	**17.8%**
9401	136	30	22.1%	2.2%
9810	6,671	5,537	**83.0%**	N/A
Subtotal	**47,855**	**37,865**	**79.1%**	***20.9% (Average)***

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
San Bernardino County				
Entire County	**2,041,029**	**1,363,925**	**66.8%**	**17.6%**
89.01	2,368	384	16.2%	**22.3%**
91.07	5,529	1,188	21.5%	17.5%
91.08	6,134	2,095	34.2%	**20.3%**
91.09	5,372	1,793	33.4%	10.5%
91.10	16,159	11,255	**69.7%**	**18.9%**
91.12	8,931	7,437	**83.3%**	**20.5%**
91.14	9,802	8,292	**84.6%**	**18.4%**
91.16	6,883	5,453	**79.2%**	**57.6%**
91.17	7,233	5,444	**75.3%**	**48.9%**
91.18	20,987	15,749	**75.0%**	15.9%
91.19	5,314	2,325	43.8%	14.6%
92.01	4,623	549	11.9%	4.6%
92.02	2,670	859	32.2%	2.2%
93	1,217	697	**57.3%**	**20.3%**
94	3,153	2,231	**70.8%**	**54.6%**
95	6,855	4,125	**60.2%**	**30.5%**
97.07	6,303	2,063	32.7%	14.9%
97.08	4,498	1,405	31.2%	17.2%
97.09	6,214	2,377	38.3%	**22.4%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
97.10	7,927	4,308	**54.3%**	**42.4%**
97.11	9,409	3,490	37.1%	8.1%
97.12	5,933	3,024	**51.0%**	**34.6%**
97.13	6,661	3,429	**51.5%**	9.9%
97.14	3,661	1,545	42.2%	**23.4%**
97.15	7,976	2,326	29.2%	11.6%
97.16	6,863	3,794	**55.3%**	**37.9%**
97.17	4,198	1,312	31.3%	11.6%
98	4,499	3,424	**76.1%**	**38.3%**
99.04	10,544	8,318	**78.9%**	**31.4%**
99.05	8,102	6,113	**75.5%**	**37.7%**
99.06	4,606	3,154	**68.5%**	**17.6%**
99.08	4,486	2,366	**52.7%**	**20.1%**
99.10	4,837	3,796	**78.5%**	12.4%
99.11	7,027	4,672	**66.5%**	16.0%
99.12	5,123	3,266	**63.8%**	**28.6%**
99.13	5,926	4,207	29.2%	**38.1%**
100.04	8,735	2,554	29.2%	9.8%
100.09	3,677	2,141	**58.2%**	13.2%
100.10	6,124	4,250	**69.4%**	**27.1%**
100.11	4,821	3,513	**72.9%**	**31.0%**
100.12	4,768	2,208	46.3%	15.9%

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
100.13	8,463	4,834	**57.1%**	13.9%
100.14	5,080	3,442	**67.8%**	**35.7%**
100.15	5,213	3,114	**59.7%**	**20.9%**
100.16	5,693	3,725	**65.4%**	**24.7%**
100.17	14,479	8,718	**60.2%**	14.5%
100.18	7,882	5,426	**68.8%**	**22.6%**
100.19	5,507	3,154	**57.3%**	**28.9%**
100.20	6,969	3,730	**53.5%**	**24.6%**
100.21	6,539	3,289	**50.3%**	**29.6%**
100.22	3,958	1,249	31.6%	14.9%
100.23	5,836	2,649	45.4%	11.9%
100.24	5,062	1,849	36.5%	**23.2%**
100.25	7,005	4,705	**67.2%**	**26.5%**
100.26	11,902	7,964	**66.9%**	**28.6%**
104.02	11,024	4,174	37.9%	12.0%
104.09	2,727	567	20.8%	**17.9%**
104.10	2,809	533	19.0%	13.4%
104.11	6,945	1,712	24.7%	16.8%
104.12	7,258	1,424	19.6%	13.6%
104.13	6,431	1,615	25.1%	**21.2%**
104.15	5,291	2,151	40.7%	10.8%
104.16	3,755	840	22.4%	**24.8%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
104.17	3,391	753	22.2%	**26.7%**
104.19	4,827	1,373	28.4%	**21.9%**
104.20	4,074	1,395	34.2%	15.8%
104.21	5,619	2,641	47.0%	**23.6%**
104.22	1,319	201	15.2%	13.8%
104.23	3,654	606	16.6%	**22.1%**
104.24	1,375	108	7.9%	**26.2%**
108.02	4,085	910	22.3%	**19.6%**
109.02	2,312	339	14.7%	8.1%
111.02	2,061	625	30.3%	8.3%
114.04	4,030	1,055	26.2%	**23.0%**
116	6,622	1,536	23.2%	15.2%
117	1,720	979	**56.9%**	**21.3%**
118	7,391	4,077	**55.2%**	16.4%
119	4,020	1,511	37.6%	**21.5%**
120.01	6,194	4,469	**72.2%**	9.6%
120.02	5,569	3,802	**68.3%**	**18.2%**
121.01	5,087	2,210	43.4%	9.5%
121.03	4,121	1,662	40.3%	12.4%
121.04	5,853	2,713	46.4%	**23.9%**
250	9,584	5,062	**52.8%**	12.6%
251	1,196	554	46.3%	**25.6%**

Table R1.23-1
U.S. Census 2008-2012 ACS[1] – DRECP Area Environmental Justice Demographics

Geography/ Census Tract	Total Population[1]	Minority		Percent of Total Population Low-Income[3]
		Minority Population[2]	Percent of Total Population	
9802	4,228	3,478	**82.3%**	N/A
Subtotal	***510,308***	***265,854***	***52.1%***	***21.4% (Average)***
San Diego County				
Entire County	**3,100,500**	**1,597,865**	**51.5%**	**13.9%**
210	2,988	1,145	38.3%	**17.8%**
211	6,682	3,114	46.6%	**23.2%**
Subtotal	***9,670***	***4,259***	***44.0%***	***20.5% (Average)***
PLAN AREA TOTAL	***1,114,305***	***681,221***	***61.1%***	***19.6% (AVERAGE)***

[1] Because U.S. Census 2008-2012 American Community Survey (ACS) estimates come from a sample population, a certain level of variability is associated with the estimates. Supporting documentation on ACS data accuracy and statistical testing can be found on the ACS website in the Data and Documentation section available here: http://www.census.gov/acs/www/data_documentation/documentation_main/. For purposes of this analysis, U.S. Census ACS data was utilized for providing current data, consistency between the data used to identify minority and low-income populations, and consistency between the different geographies presented. for these reasons, U.S. Census ACS data is considered best available for representing the demographic makeup of Plan Area communities for this programmatic EIS/EIR. Use of published U.S. Census ACS data estimates is commonly used by Lead Agencies in compliance with Executive Order 12898, California Government Code Section 65040.12 and Public Resources Code Section 72000, as well as CEQ and EPA guidance for incorporating Environmental Justice Concerns under NEPA and CEQA.

[2] Represents the population excluding those identified as "Not Hispanic or Latino, White Alone" within the US Census 2008-2012 ACS data set.

[3] Represents individuals with mean annual incomes below the annual statistical poverty level, identified by poverty status in the last 12 months, identified as "percent below poverty level" within the US Census 2008-2012 ACS data set.

Source: U.S. Census Bureau 2014a and 2014b, as queried through ArcGIS Online to determine Census tracts containing the Plan Area.

Appendix R2.4 Geology and Soils

This appendix presents data supporting the analysis in Volume IV, Chapter IV.4. This appendix includes 3 tables that present:

- Acreage of soil textures within DFAs in each alternative
- Acreage of erosive soils within DFAs in each alternative
- Acreage of expansive soils within DFAs in each alternative

Note on Rounding of Data. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

Table R2.4-1
Acreage of Soil Textures within Developable Areas for each Alternative

Soil Texture	No Action Alternative	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Clay	3,000	400	—	4,000	—	2,000
Clay loam	25,000	0	—	6,000	—	—
Coarse sand	—	—	—	—	—	—
Coarse sandy loam	181,000	2,000	2,000	4,000	3,000	3,000
Cobbly fine sandy loam	6,000	—	—	5,000	—	—
Cobbly sand	600	100	20	100	100	20
Extremely gravelly sandy loam	155,000	1,000	100	35,000	1,000	100
Fine sand	153,000	46,000	22,000	115,000	45,000	24,000
Fine sandy loam	30,000	500	—	400	400	—
Gravelly loam	100	—	—	—	—	—
Gravelly loamy coarse sand	—	12,000	12,000	12,000	12,000	12,000
Gravelly sand	19,000	15,000	3,000	16,000	6,000	15,000
Gravelly sandy loam	4,000	1,000	200	2,000	—	1,000
Loam	—	10	10	10	10	10
Loamy fine sand	91,000	7,000	2,000	12,000	5,000	4,000
Loamy sand	520,000	46,000	4,000	144,000	20,000	9,000
Sand	205,000	85,000	12,000	93,000	50,000	54,000
Sandy loam	215,000	15,000	1,000	42,000	2,000	6,000
Silt loam	—	—	—	—	—	—
Silty clay	27,000	4,000	90	7,000	4,000	100
Silty clay loam	15,000	12,000	700	12,000	11,000	800
Unweathered bedrock	318,000	3,000	1,000	23,000	1,000	3,000
Very channery loam	600	—	—	—	—	—

Table R2.4-1
Acreage of Soil Textures within Developable Areas for each Alternative

Soil Texture	No Action Alternative	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Very cobbly fine sandy loam	—	—	—	—	—	—
Very cobbly loamy sand	—	—	—	—	—	—
Very cobbly sandy loam	—	—	—	—	—	—
Very fine sandy loam	53,000	8,000	300	7,000	7,000	300
Very gravelly coarse sand	—	—	—	—	—	—
Very gravelly fine sandy loam	4	—	—	—	—	—
Very gravelly loam	—	—	—	—	—	—
Very gravelly loamy fine sand	—	—	—	—	—	—
Very gravelly loamy sand	89,000	—	—	9,000	—	70
Very gravelly sandy loam	601,000	105,000	8,000	154,000	30,000	111,000
Very gravelly silt loam	500	—	—	—	—	—
Weathered bedrock	98,000	14,000	12,000	17,000	15,000	12,000
Not Mapped	50	11,000	—	20	20	—
Total	**2,810,000**	**388,000**	**81,000**	**718,000**	**211,000**	**258,000**

Source: Dudek and ICF (2012).

Table R2.4-2
Acreage of Erosive Soils within DFAs for each Alternative

Erosive Soil Potential	No Action Alternative	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Low to Moderate for Water Erosion	2,014,000	271,000	40,000	499,000	123,000	207,000
Low to Moderate for Wind Erosion	1,359,000	168,000	37,000	298,000	80,000	156,000
Moderate to High for Water Erosion	795,000	107,000	41,000	219,000	88,000	51,000
Moderate to High for Wind Erosion	1,451,000	210,000	44,000	420,000	130,000	102,000

Source: Dudek and ICF (2012)

Table R2.4-3
Acreage of Expansive Soil Textures within DFAs for each Alternative

Soil Texture	No Action Alternative	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Clay	3,000	400	0	4,000	0	2,000
Clay loam	25,000	0	0	6,000	0	0
Silty clay	27,000	4,000	90	7,000	4,000	100
Silty clay loam	15,000	12,000	700	12,000	11,000	800
Total	**70,000**	**16,000**	**800**	**29,000**	**15,000**	**3,000**

Source: Dudek and ICF (2012)

Appendix R2.5 Flood Hazard, Hydrology, and Drainage Areas

This appendix presents data supporting the analysis in Volume IV, Chapter IV.5. This appendix is organized as follows.

- Section R2.5.1 – No Action Alternative: Tables R2.5-1 through R2.5-6
- Section R2.5.2 – Preferred Alternative: Tables R2.5-7 through R2.5-12
- Section R2.5.3 – Alternative 1: Tables R2.5-13 through R2.5-18
- Section R2.5.4 – Alternative 2: Tables R2.5-19 through R2.5-24
- Section R2.5.5 – Alternative 3: Tables R2.5-25 through R2.5-30
- Section R2.5.6 – Alternative 4: Tables R2.5-31 through R2.5-36

R2.5.1 No Action Alternative

Table R2.5-1
No Action Alternative – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Wind	Geothermal	Transmission	Solar
Cadiz Valley and Chocolate Mountains	**2,159,110**	**0**	**0**	**8,426**	**28,770**
Not Assessed	1,863,871	0	0	8,426	28,770
Minimal	284,281	0	0	0	0
1% Annual Chance	10,957	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**540**	**423**	**2,687**	**5,468**
Not Assessed	98,828	144	113	245	1,359
Minimal	716,191	368	288	2,346	3,833
1% Annual Chance	34,914	29	22	96	275
0.2% Annual Chance	21	0	0	0	1
Kingston and Funeral Mountains	**1,184,862**	**0**	**0**	**0**	**13,177**
Not Assessed	590,318	0	0	0	6,541
Minimal	551,793	0	0	0	5,874
1% Annual Chance	42,751	0	0	0	762
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**1,002,998**	**0**	**0**	**1,143**	**13**
Not Assessed	974,231	0	0	1,111	13
Minimal	24,378	0	0	20	0
1% Annual Chance	4,378	0	0	13	0
0.2% Annual Chance	11	0	0	0	0

Table R2.5-1
No Action Alternative – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Wind	Geothermal	Transmission	Solar
Owens River Valley	**189,098**	**0**	**0**	**0**	**0**
Not Assessed	47	0	0	0	0
Minimal	187,812	0	0	0	0
1% Annual Chance	1,238	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**457,137**	**0**	**0**	**0**	**0**
Not Assessed	172,821	0	0	0	0
Minimal	269,023	0	0	0	0
1% Annual Chance	15,293	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,982**	**163**	**0**	**204**	**530**
Not Assessed	848,228	162	0	202	462
Minimal	34,192	0	0	2	66
1% Annual Chance	561	0	0	0	1
0.2% Annual Chance	1	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**0**	**0**	**0**	**0**
Not Assessed	895,278	0	0	0	0
Minimal	741	0	0	0	0
1% Annual Chance	344	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-1
No Action Alternative – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Wind	Geothermal	Transmission	Solar
Providence and Bullion Mountains	**1,415,809**	**0**	**0**	**854**	**9,704**
Not Assessed	1,351,295	0	0	854	9,704
Minimal	62,116	0	0	0	0
1% Annual Chance	2,397	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**878,480**	**2,120**	**0**	**418**	**4,013**
Not Assessed	421,883	1,274	0	147	2,359
Minimal	435,827	801	0	258	1,565
1% Annual Chance	19,762	45	0	12	88
0.2% Annual Chance	1,009	0	0	0	0
Grand Total	**9,916,792**	**2,823**	**423**	**13,733**	**61,675**

Summary – Potential Development Within 100-Year Floodplains on BLM Lands in the DRECP Area	Wind	Geothermal	Transmission	Solar	Total
Potential Development Within 100-year Floodplains on BLM Lands in the DRECP Plan Area	74	22	121	1,126	1,344
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595	132,595	132,595	132,595
Percent of 100-year Floodplains that Could be Developed on BLM Lands in the DRECP Plan Area	0.1%	0%	0.1%	0.8%	1.0%

Table R2.5-2
No Action Alternative –Potential Development Within Linear Surface Water Features on BLM Lands in the DRECP Area (Miles)

Ecoregion Subarea	Total Miles	Wind	GT	Transmission	Solar	Total	Percent
Cadiz Valley and Chocolate Mountains	8,658	0	0	32	135	168	1.9%
Imperial Borrego Valley	1,629	1	1	4	11	17	1.1%
Kingston and Funeral Mountains	4,851	0	0	0	61	61	1.3%
Mojave and Silurian Valley	3,548	0	0	4	0	4	0.1%
Owens River Valley	834	0	0	0	0	0	0.0%
Panamint Death Valley	2,930	0	0	0	0	0	0.0%
Pinto Lucerne Valley and Eastern Slopes	2,497	0	0	0	2	3	0.1%
Piute Valley and Sacramento Mountains	3,941	0	0	0	0	0	0.0%
Providence and Bullion Mountains	4,077	0	0	2	21	22	0.6%
West Mojave and Eastern Slopes	3,333	8	0	2	15	26	0.8%
Grand Total	**36,298**	**10**	**1**	**45**	**245**	**301**	**0.8%**

Table R2.5-3
No Action Alternative – Potential Development Within Areal Surface Water Features on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea	Total Acres	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	36,652	0	0	173	173	0.5%
Imperial Borrego Valley	1,493	1	1	9	10	0.7%
Kingston and Funeral Mountains	21,323	0	0	0	0	0.0%
Mojave and Silurian Valley	17,589	0	0	0	0	0.0%
Owens River Valley	1,056	0	0	0	0	0.0%
Panamint Death Valley	38,808	0	0	0	0	0.0%
Pinto Lucerne Valley and Eastern Slopes	5,892	1	0	8	9	0.2%
Piute Valley and Sacramento Mountains	11	0	0	0	0	0.0%
Providence and Bullion Mountains	38,894	0	0	15	15	0.0%
West Mojave and Eastern Slopes	20,199	79	0	19	98	0.5%
Grand Total	**181,917**	**81**	**1**	**223**	**304**	**0.2%**

Table R2.5-4
No Action Alternative – Potential Conservation Within 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Existing ACEC
Cadiz Valley and Chocolate Mountains	**2,159,110**	**622,064**
Not Assessed	1,863,871	504,760
Minimal	284,281	110,363
1% Annual Chance	10,957	6,940
0.2% Annual Chance	0	0
Imperial Borrego Valley	**849,955**	**170,651**
Not Assessed	98,828	19,889
Minimal	716,191	145,972
1% Annual Chance	34,914	4,790
0.2% Annual Chance	21	0
Kingston and Funeral Mountains	**1,184,862**	**185,135**
Not Assessed	590,318	149,287
Minimal	551,793	29,077
1% Annual Chance	42,751	6,770
0.2% Annual Chance	0	0
Mojave and Silurian Valley	**1,002,998**	**407,732**
Not Assessed	974,231	393,239
Minimal	24,378	13,726
1% Annual Chance	4,378	768
0.2% Annual Chance	11	0

Table R2.5-4
No Action Alternative – Potential Conservation Within 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Existing ACEC
Owens River Valley	**189,098**	**859**
Not Assessed	47	0
Minimal	187,812	859
1% Annual Chance	1,238	0
0.2% Annual Chance	0	0
Panamint Death Valley	**457,137**	**11,467**
Not Assessed	172,821	5,766
Minimal	269,023	5,242
1% Annual Chance	15,293	459
0.2% Annual Chance	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,982**	**320,787**
Not Assessed	848,228	319,844
Minimal	34,192	931
1% Annual Chance	561	12
0.2% Annual Chance	1	0
Piute Valley and Sacramento Mountains	**896,363**	**557,099**
Not Assessed	895,278	557,099
Minimal	741	0
1% Annual Chance	344	0
0.2% Annual Chance	0	0

Table R2.5-4
No Action Alternative – Potential Conservation Within 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Existing ACEC
Providence and Bullion Mountains	**1,415,809**	**371,476**
Not Assessed	1,351,295	368,426
Minimal	62,116	3,050
1% Annual Chance	2,397	0
0.2% Annual Chance	0	0
West Mojave and Eastern Slopes	**878,480**	**561,473**
Not Assessed	421,883	327,018
Minimal	435,827	230,349
1% Annual Chance	19,762	4,106
0.2% Annual Chance	1,009	0
Grand Total	**9,916,792**	**3,208,741**

SUMMARY – Potential Development of 100-Year Floodplains on BLM Lands in the DRECP Area	Existing ACEC	Total
Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	23,845	23,845
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595
Percent of 100-year Floodplains that Could be Conserved on BLM Lands	18.0%	18.0%

Table R2.5-5
No Action Alternative – Potential Conservation Within Linear Surface Water Features on BLM Lands in the DRECP Area (Miles)

Ecoregion Subarea	Total Miles	Existing ACEC	Total	Percent Conserved
Cadiz Valley and Chocolate Mountains	12,101	2,876	2,876	23.8%
Imperial Borrego Valley	7,309	133	133	1.8%
Kingston and Funeral Mountains	9,728	728	728	7.5%
Mojave and Silurian Valley	8,534	1,431	1,431	16.8%
Owens River Valley	1,493	13	13	8.7%
Panamint Death Valley	10,089	96	96	9.5%
Pinto Lucerne Valley and Eastern Slopes	6,291	1,116	1,116	17.7%
Piute Valley and Sacramento Mountains	4,836	2,435	2,435	50.4%
Providence and Bullion Mountains	7,933	1,388	1,388	17.5%
West Mojave and Eastern Slopes	11,270	3,250	3,250	28.8%
Grand Total	**79,585**	**13,467**	**13,467**	**16.9%**

Table R2.5-6
No Action Alternative – Potential Conservation Within Areal Surface Water Features on BLM Lands in the DRECP Area (Acres)

Ecoregion Subarea	Total Acres	Existing ACEC	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	36,652	52	52	0.1%
Imperial Borrego Valley	1,493	91	91	6.1%
Kingston and Funeral Mountains	21,323	5,136	5,136	24.1%
Mojave and Silurian Valley	17,589	9,078	9,078	51.6%
Owens River Valley	1,056	9	9	8.5%
Panamint Death Valley	38,808	192	192	4.9%
Pinto Lucerne Valley and Eastern Slopes	5,892	82	82	1.4%
Piute Valley and Sacramento Mountains	11	2	2	18.2%
Providence and Bullion Mountains	38,894	25	25	0.0%
West Mojave and Eastern Slopes	20,199	3,792	3,792	18.8%
Grand Total	**181,917**	**18,458**	**18,458**	**10.1%**

R2.5.2 Preferred Alternative

Table R2.5-7
Preferred Alternative – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subareas and Floodplains Acres	Total Acres	Solar	Wind	Geothermal	Transmission
Cadiz Valley and Chocolate Mountains	**2,149,812**	**16,338**	**2,435**	**0**	**8,085**
Not Assessed	1,857,004	16,338	2,435	0	8,085
Minimal	281,970	0	0	0	0
1% Annual Chance	10,838	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**923,855**	**8,787**	**33**	**5,861**	**2,929**
Not Assessed	105,663	115	1	71	315
Minimal	718,977	7,702	22	5,192	2,367
1% Annual Chance	99,196	970	10	598	247
0.2% Annual Chance	20	0	0	0	0
Kingston and Funeral Mountains	**1,182,552**	**104**	**0**	**0**	**0**
Not Assessed	590,262	104	0	0	0
Minimal	550,364	0	0	0	0
1% Annual Chance	41,926	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**1,000,562**	**349**	**0**	**0**	**576**
Not Assessed	972,286	335	0	0	569
Minimal	23,908	14	0	0	6
1% Annual Chance	4,357	0	0	0	0
0.2% Annual Chance	11	0	0	0	0

Table R2.5-7
Preferred Alternative – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subareas and Floodplains Acres	Total Acres	Solar	Wind	Geothermal	Transmission
Owens River Valley	**187,335**	**526**	**0**	**952**	**238**
Not Assessed	7	0	0	0	0
Minimal	186,096	487	0	881	232
1% Annual Chance	1,233	39	0	71	6
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**453,495**	**2,440**	**0**	**0**	**0**
Not Assessed	172,766	2,374	0	0	0
Minimal	265,601	66	0	0	0
1% Annual Chance	15,129	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**732,440**	**1,675**	**505**	**0**	**1,137**
Not Assessed	704,718	1,663	501	0	1,134
Minimal	27,173	12	4	0	2
1% Annual Chance	549	0	0	0	0
0.2% Annual Chance	1	0	0	0	0
Piute Valley and Sacramento Mountains	**892,817**	**0**	**0**	**0**	**0**
Not Assessed	891,747	0	0	0	0
Minimal	730	0	0	0	0
1% Annual Chance	339	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-7
Preferred Alternative – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Area (Acres)

Ecoregion Subareas and Floodplains Acres	Total Acres	Solar	Wind	Geothermal	Transmission
Providence and Bullion Mountains	**1,407,864**	**618**	**0**	**0**	**198**
Not Assessed	1,344,940	618	0	0	198
Minimal	60,539	0	0	0	0
1% Annual Chance	2,385	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**855,242**	**7,528**	**266**	**1**	**243**
Not Assessed	410,946	2,275	2	1	62
Minimal	424,527	3,864	186	0	167
1% Annual Chance	18,765	1,388	78	0	13
0.2% Annual Chance	1,003	1	0	0	1
Grand Total	**9,785,985**	**38,366**	**3,239**	**6,814**	**13,406**

Potential Development Within 100-Year Floodplains on BLM Lands in the DRECP Area	Solar	Wind	Geothermal	Transmission	Total
Potential Development Within 100-year Floodplains that Could be Developed on BLM Lands in the DRECP Plan Area	2,397	88	669	266	3,420
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	194,717	194,717	194,717	194,717	194,717
Percent of 100-year Floodplains that Could be Developed on BLM Lands in the DRECP Plan Area	1.2%	0%	0.3%	0.1%	1.7%

Table R2.5-8
Preferred Alternative – Potential Development Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	8,622	45	7	0	21	73	0.8%
Imperial Borrego Valley	1,762	9	0	6	4	18	1.0%
Kingston and Funeral Mountains	4,843	0	0	0	0	0	0.0%
Mojave and Silurian Valley	3,542	0	0	0	1	2	0.0%
Owens River Valley	829	6	0	10	2	17	2.1%
Panamint Death Valley	2,910	10	0	0	0	10	0.3%
Pinto Lucerne Valley and Eastern Slopes	2,222	3	1	0	3	7	0.3%
Piute Valley and Sacramento Mountains	3,922	0	0	0	0	0	0.0%
Providence and Bullion Mountains	4,050	1	0	0	0	2	0.0%
West Mojave and Eastern Slopes	3,250	31	1	0	1	33	1.0%
Grand Total	**35,953**	**105**	**9**	**16**	**32**	**161**	**0.4%**

Table R2.5-9
Preferred Alternative – Potential Development Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Miles	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	35,850	53	8	0	55	115	0.3%
Imperial Borrego Valley	67,429	894	9	549	167	1,618	2.4%
Kingston and Funeral Mountains	21,280	0	0	0	0	0	0.0%
Mojave and Silurian Valley	17,576	0	0	0	1	1	0.0%
Owens River Valley	1,007	3	0	5	4	12	1.2%
Panamint Death Valley	38,647	1,679	0	0	0	1,679	4.3%
Pinto Lucerne Valley and Eastern Slopes	2,902	144	43	0	20	207	7.1%
Piute Valley and Sacramento Mountains	8	0	0	0	0	0	0.0%
Providence and Bullion Mountains	38,793	171	0	0	13	183	0.5%
West Mojave and Eastern Slopes	20,080	1,587	94	0	8	1,689	8.4%
Grand Total	**243,571**	**4,530**	**154**	**554**	**268**	**5,506**	**2.3%**

Table R2.5-10
Preferred Alternative – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails
Cadiz Valley and Chocolate Mountains	**2,149,812**	**861,512**	**509,010**	**0**	**225,078**	**0**
Not Assessed	1,857,004	675,361	498,127	0	181,137	0
Minimal	281,970	176,382	10,873	0	41,315	0
1% Annual Chance	10,838	9,770	10	0	2,626	0
0.2% Annual Chance	0	0	0	0	0	0
Imperial Borrego Valley	**923,855**	**417,688**	**50,640**	**0**	**0**	**168,143**
Not Assessed	105,663	55,151	9,794	0	0	43,870
Minimal	718,977	345,496	40,364	0	0	115,624
1% Annual Chance	99,196	17,042	483	0	0	8,648
0.2% Annual Chance	20	0	0	0	0	0
Kingston and Funeral Mountains	**1,182,552**	**443,572**	**108,697**	**0**	**62,062**	**413,653**
Not Assessed	590,262	200,780	101,142	0	16,753	215,760
Minimal	550,364	221,361	7,482	0	36,033	194,974
1% Annual Chance	41,926	21,431	74	0	9,277	2,919
0.2% Annual Chance	0	0	0	0	0	0
Mojave and Silurian Valley	**1,000,562**	**218,819**	**566,534**	**0**	**48,338**	**402,530**
Not Assessed	972,286	216,046	546,212	0	48,175	393,374
Minimal	23,908	2,118	16,692	0	163	4,789
1% Annual Chance	4,357	654	3,629	0	0	4,356
0.2% Annual Chance	11	0	0	0	0	11

Table R2.5-10
Preferred Alternative – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails
Owens River Valley	**187,335**	**48,071**	**35,819**	**0**	**0**	**0**
Not Assessed	7	0	0	0	0	0
Minimal	186,096	47,807	35,805	0	0	0
1% Annual Chance	1,233	264	14	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
Panamint Death Valley	**453,495**	**187,644**	**129,051**	**0**	**1,208**	**0**
Not Assessed	172,766	5,864	80,880	0	0	0
Minimal	265,601	167,625	47,963	0	1,208	0
1% Annual Chance	15,129	14,155	208	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**732,440**	**288,378**	**187,375**	**0**	**6,662**	**64,935**
Not Assessed	704,718	287,331	186,595	0	6,662	64,674
Minimal	27,173	914	780	0	0	253
1% Annual Chance	549	133	0	0	0	8
0.2% Annual Chance	1	0	0	0	0	0
Piute Valley and Sacramento Mountains	**892,817**	**416,914**	**189,248**	**0**	**79,268**	**54,703**
Not Assessed	891,747	416,914	189,248	0	79,267	54,703
Minimal	730	0	0	0	1	0
1% Annual Chance	339	0	0	0	0	0
0.2% Annual Chance	0	0	0	0	0	0

Table R2.5-10
Preferred Alternative – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails
Providence and Bullion Mountains	**1,407,864**	**637,735**	**226,239**	**0**	**174,410**	**26,931**
Not Assessed	1,344,940	637,735	196,986	0	174,410	26,931
Minimal	60,539	0	26,977	0	0	0
1% Annual Chance	2,385	0	2,277	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
West Mojave and Eastern Slopes	**855,242**	**178,854**	**449,378**	**18,327**	**11,103**	**185,481**
Not Assessed	410,946	15,713	314,396	0	8,294	31,250
Minimal	424,527	159,142	131,543	18,282	2,801	153,816
1% Annual Chance	18,765	3,999	3,420	40	8	415
0.2% Annual Chance	1,003	0	18	5	0	0
Grand Total	**9,785,975**	**3,699,186**	**2,451,990**	**18,327**	**608,129**	**1,316,376**

Summary: Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	NLCS	ACEC	Wildlife	Wilderness Characteristics	Trail	Total
Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	67,448	10,115	40	11,911	16,346	105,860
Total 100-year Floodplains on BLM Lands in DRECP Plan Area	194,717	194,717	194,717	194,717	194,717	194,717
Percent of 100-year Floodplains Conserved on BLM Lands in the DRECP Plan Area	35%	5%	0%	6%	8%	54%

Table R2.5-11
Preferred Alternative – Potential Conservation Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	NLCS Miles	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal*	Percent Conserved*
Cadiz Valley and Chocolate Mountains	8,622	3,571	1,948	0	807	0	5,532	64%
Imperial Borrego Valley	1,762	933	31	0	0	266	1,028	58%
Kingston and Funeral Mountains	4,843	1,850	602	0	333	1,422	3,335	69%
Mojave and Silurian Valley	3,542	832	2,040	0	137	1,755	3,115	88%
Owens River Valley	829	298	121	0	0	0	419	51%
Panamint Death Valley	2,910	1,488	804	0	8	0	2,292	79%
Pinto Lucerne Valley and Eastern Slopes	2,222	961	543	0	19	226	1,614	73%
Piute Valley and Sacramento Mountains	3,922	1,822	701	0	308	295	2,641	67%
Providence and Bullion Mountains	4,050	1,826	686	0	518	84	2,561	63%
West Mojave and Eastern Slopes	3,250	787	1,628	66	32	654	2,595	80%
Grand Total	**35,953**	**14,367**	**9,104**	**66**	**2,162**	**4,703**	**25,133**	70%

*Subtotal and Percent Conserved values are adjusted to eliminate overlap between the individual categories of conservation lands, and thus do not perfectly add to match the subtotals. However, the adjusted Subtotal and Percent Conserved Values are accurate as a whole.

Table R2.5-12
Preferred Alternative – Potential Conservation Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal*	Percent Conserved*
Cadiz Valley and Chocolate Mountains	35,850	7,737	26,427	0	8,602	0	34,295	96%
Imperial Borrego Valley	67,429	118	268	0	0	43	387	1%
Kingston and Funeral Mountains	21,280	6,615	2,399	0	4,061	462	9,014	42%
Mojave and Silurian Valley	17,576	2,479	14,336	0	433	10,134	17,474	99%
Owens River Valley	1,007	214	637	0	0	0	851	84%
Panamint Death Valley	38,647	11,889	32	0	0	0	11,921	31%
Pinto Lucerne Valley and Eastern Slopes	2,902	84	332	0	0	92	455	16%
Piute Valley and Sacramento Mountains	8	7	0	0	4	0	7	86%
Providence and Bullion Mountains	38,793	1,875	868	0	2,139	0	3,819	10%
West Mojave and Eastern Slopes	20,080	7	3,841	3	1	19	3,854	19%
Grand Total	**243,571**	**31,025**	**49,139**	**3**	**15,240**	**10,750**	**82,077**	34%

*Subtotal and Percent Conserved values are adjusted to eliminate overlap between the individual categories of conservation lands, and thus do not perfectly add to match the subtotals. However, the adjusted Subtotal and Percent Conserved Values are accurate as a whole.

R2.5.3 Alternative 1

Table R2.5-13
Alternative 1 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains	**2,159,110**	**3,885**	**100**	**0**	**2,197**
Not Assessed	1,863,871	3,885	100	0	2,197
Minimal	284,281	0	0	0	0
1% Annual Chance	10,957	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**2,445**	**0**	**4,491**	**1,445**
Not Assessed	98,828	10	0	79	152
Minimal	716,192	2,430	0	4,371	1,238
1% Annual Chance	34,914	5	0	42	54
0.2% Annual Chance	21	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**0**	**0**	**0**	**0**
Not Assessed	590,319	0	0	0	0
Minimal	551,793	0	0	0	0
1% Annual Chance	42,751	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**0**	**0**	**0**	**1,484**
Not Assessed	974,232	0	0	0	1,483
Minimal	24,378	0	0	0	1
1% Annual Chance	4,378	0	0	0	0
0.2% Annual Chance	11	0	0	0	0

Table R2.5-13
Alternative 1 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Owens River Valley	**189,098**	**3,870**	**0**	**0**	**157**
Not Assessed	47	0	0	0	0
Minimal	187,812	3,563	0	0	148
1% Annual Chance	1,238	307	0	0	9
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**457,137**	**0**	**0**	**0**	**0**
Not Assessed	172,821	0	0	0	0
Minimal	269,024	0	0	0	0
1% Annual Chance	15,293	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**2,242**	**119**	**0**	**1,565**
Not Assessed	848,242	2,129	113	0	1,561
Minimal	34,192	114	6	0	4
1% Annual Chance	561	0	0	0	0
0.2% Annual Chance	1	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**0**	**0**	**0**	**0**
Not Assessed	895,278	0	0	0	0
Minimal	741	0	0	0	0
1% Annual Chance	344	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-13
Alternative 1 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Providence and Bullion Mountains	**1,415,824**	**301**	**0**	**0**	**146**
Not Assessed	1,351,295	301	0	0	146
Minimal	62,131	0	0	0	0
1% Annual Chance	2,397	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**982**	**0**	**0**	**924**
Not Assessed	421,884	0	0	0	35
Minimal	435,827	950	0	0	828
1% Annual Chance	19,762	31	0	0	53
0.2% Annual Chance	1,009	0	0	0	8
Grand Total	**9,916,826**	**13,726**	**219**	**4,491**	**7,918**

SUMMARY: Potential Development Within 100-year Floodplains on BLM Lands in the DRECP Plan Area	Solar	Wind	Geothermal	Transmission	Total
Potential Development Within 100-year Floodplains on BLM Lands in DRECP Plan Area	343	0	42	116	502
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595	132,595	132,595	132,595
Percent of 100-Year Floodplains Potentially Developed on BLM Lands in the DRECP Plan Area	0.3%	0.0%	0.0%	0.1%	0.4%

Table R2.5-14
Alternative 1 – Potential Development Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	8,660	16	0	0	6	22	0.3%
Imperial Borrego Valley	1,629	1	0	4	2	7	0.4%
Kingston and Funeral Mountains	4,851	0	0	0	0	0	0.0%
Mojave and Silurian Valley	3,548	0	0	0	4	4	0.1%
Owens River Valley	834	36	0	0	1	37	4.5%
Panamint Death Valley	2,930	0	0	0	0	0	0.0%
Pinto Lucerne Valley and Eastern Slopes	2,500	6	0	0	4	10	0.4%
Piute Valley and Sacramento Mountains	3,941	0	0	0	0	0	0.0%
Providence and Bullion Mountains	4,077	0	0	0	0	1	0.0%
West Mojave and Eastern Slopes	3,338	4	0	0	4	9	0.3%
Grand Total	**36,309**	**63**	**1**	**4**	**21**	**90**	**0.3%**

Table R2.5-15
Alternative 1 – Potential Development Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	36,652	2	0	0	14	16	0.0%
Imperial Borrego Valley	1,493	0	0	0	0	0	0.0%
Kingston and Funeral Mountains	21,323	0	0	0	0	0	0.0%
Mojave and Silurian Valley	17,589	0	0	0	3	3	0.0%
Owens River Valley	1,056	24	0	0	1	26	2.4%
Panamint Death Valley	38,808	0	0	0	0	0	0.0%
Pinto Lucerne Valley and Eastern Slopes	5,893	16	1	0	22	39	0.7%
Piute Valley and Sacramento Mountains	11	0	0	0	0	0	0.0%
Providence and Bullion Mountains	38,894	3	0	0	10	13	0.0%
West Mojave and Eastern Slopes	20,199	0	0	0	0	0	0.0%
Grand Total	**181,917**	**44**	**1**	**0**	**51**	**96**	**0.1%**

Table R2.5-16
Alternative 1 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	BLM Trails
Cadiz Valley and Chocolate Mountains	**2,159,110**	**457,699**	**596,734**	**398,071**	**106,775**	**0**
Not Assessed	1,863,871	329,180	545,285	378,965	62,549	0
Minimal	284,281	122,729	47,836	18,584	41,598	0
1% Annual Chance	10,957	5,790	3,613	522	2,628	0
0.2% Annual Chance	0	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**59,130**	**285,070**	**83,621**	**42,083**	**11,405**
Not Assessed	98,828	15,861	41,731	24	0	3,407
Minimal	716,192	40,008	237,548	79,157	40,856	7,048
1% Annual Chance	34,914	3,261	5,790	4,440	1,228	950
0.2% Annual Chance	21	0	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**202,072**	**340,897**	**0**	**42,581**	**16,281**
Not Assessed	590,319	55,529	235,018	0	26,050	579
Minimal	551,793	142,963	87,165	0	16,531	15,524
1% Annual Chance	42,751	3,580	18,713	0	0	178
0.2% Annual Chance	0	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**82,024**	**405,183**	**0**	**62,644**	**24,131**
Not Assessed	974,232	82,018	387,637	0	60,874	21,613
Minimal	24,378	6	16,779	0	1,109	1,369
1% Annual Chance	4,378	0	768	0	662	1,144
0.2% Annual Chance	11	0	0	0	0	4

Table R2.5-16
Alternative 1 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	BLM Trails
Owens River Valley	**189,098**	**11,590**	**47,682**	**0**	**7,462**	**0**
Not Assessed	47	0	0	0	0	0
Minimal	187,812	11,587	47,408	0	7,462	0
1% Annual Chance	1,238	3	274	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
Panamint Death Valley	**457,137**	**83,851**	**120,128**	**26,840**	**79,511**	**0**
Not Assessed	172,821	1,761	62,754	0	5,449	0
Minimal	269,024	73,650	51,299	26,839	65,422	0
1% Annual Chance	15,293	8,440	6,074	1	8,640	0
0.2% Annual Chance	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**84,480**	**371,398**	**13,245**	**1,920**	**1,596**
Not Assessed	848,242	83,551	370,599	13,245	1,920	1,596
Minimal	34,192	917	800	0	0	0
1% Annual Chance	561	12	0	0	0	0
0.2% Annual Chance	1	0	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**250,531**	**334,555**	**0**	**0**	**3,434**
Not Assessed	895,278	250,531	334,555	0	0	3,434
Minimal	741	0	0	0	0	0
1% Annual Chance	344	0	0	0	0	0
0.2% Annual Chance	0	0	0	0	0	0

Table R2.5-16
Alternative 1 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	BLM Trails
Providence and Bullion Mountains	**1,415,824**	**241,881**	**522,404**	**47,746**	**127,407**	**257**
Not Assessed	1,351,295	241,859	493,125	47,746	127,407	257
Minimal	62,131	22	26,991	0	0	0
1% Annual Chance	2,397	0	2,288	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**49,423**	**602,436**	**18,543**	**18,807**	**12,104**
Not Assessed	421,884	4,388	347,205	0	2,718	53
Minimal	435,827	44,918	248,083	18,495	16,071	12,031
1% Annual Chance	19,762	117	7,126	43	18	21
0.2% Annual Chance	1,009	0	22	6	0	0
Grand Total	**9,916,826**	**1,522,681**	**3,626,487**	**588,066**	**489,192**	**69,209**

SUMMARY: 100-year Floodplains Conserved on BLM Lands in the DRECP Plan Area	NLCS	ACEC	Wildlife	Wilderness Characteristics	Trail	Total
Sum of 100-year Floodplains that Could be Conserved on BLM Lands in the DRECP Plan Area	21,204	44,646	5,005	13,174	2,293	86,322
Total 100-year Floodplain Acreage on BLM Lands in DRECP Plan Area	132,595	132,595	132,595	132,595	132,595	132,595
Percent of 100-year Floodplains that Could be Conserved on BLM Lands in the DRECP Plan Area	16.0%	33.7%	3.8%	9.9%	1.7%	65.1%

Table R2.5-17
Alternative 1 – Potential Conservation Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	NLCS	ACEC	Wildlife Allocations	Wilderness Characteristics	Trail Management Corridor	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	8,660	1,934	2,289	1,686	416	0	6,325	73.0%
Imperial Borrego Valley	1,629	185	216	404	27	20	852	52.3%
Kingston and Funeral Mountains	4,851	908	1,515	0	269	77	2,769	57.1%
Mojave and Silurian Valley	3,548	282	1,153	0	280	122	1,837	51.8%
Owens River Valley	834	68	244	0	42	0	354	42.4%
Panamint Death Valley	2,930	518	741	173	493	0	1,925	65.7%
Pinto Lucerne Valley and Eastern Slopes	2,500	229	1,191	69	6	10	1,505	60.2%
Piute Valley and Sacramento Mountains	3,941	1,203	1,209	0	0	22	2,434	61.8%
Providence and Bullion Mountains	4,077	811	1,447	93	351	1	2,703	66.3%
West Mojave and Eastern Slopes	3,338	185	2,344	67	71	30	2,697	80.8%
Grand Total	**36,309**	**6,324**	**12,348**	**2,493**	**1,956**	**280**	23,401	**64.4%**

Table R2.5-18
Alternative 1 – Potential Conservation Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	36,652	3,825	49	30,971	1,710	0	36,555	99.7%
Imperial Borrego Valley	1,493	34	101	0	0	19	154	10.3%
Kingston and Funeral Mountains	21,323	477	12,526	0	0	49	13,052	61.2%
Mojave and Silurian Valley	17,589	219	10,180	0	1,406	1,452	13,257	75.4%
Owens River Valley	1,056	1	885	0	0	0	886	83.9%
Panamint Death Valley	38,808	8,254	3,637	11	8,944	0	20,846	53.7%
Pinto Lucerne Valley and Eastern Slopes	5,893	38	400	0	0	18	456	7.7%
Piute Valley and Sacramento Mountains	11	2	3	0	0	0	5	45.4%
Providence and Bullion Mountains	38,894	1,067	874	13,745	1,131	0	16,817	43.2%
West Mojave and Eastern Slopes	20,199	5	3,904	3	1	0	3,913	19.3%
Grand Total	**181,917**	**13,922**	**32,558**	**44,730**	**13,192**	**1,539**	**105,941**	**58.2%**

R2.5.4 Alternative 2

Table R2.5-19
Alternative 2 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains	**2,159,109**	**11,060**	**3,016**	**0**	**930**
Not Assessed	1,863,871	11,060	2,875	0	930
Minimal	284,281	0	141	0	0
1% Annual Chance	10,957	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**849,956**	**8,423**	**1,881**	**5,758**	**614**
Not Assessed	98,828	97	0	109	69
Minimal	716,193	8,216	1,850	5,598	521
1% Annual Chance	34,914	110	32	51	24
0.2% Annual Chance	21	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**1,007**	**259**	**0**	**172**
Not Assessed	590,319	442	114	0	172
Minimal	551,793	473	122	0	0
1% Annual Chance	42,751	92	24	0	0
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**1,665**	**609**	**0**	**1,973**
Not Assessed	974,232	1,660	609	0	1,933
Minimal	24,378	6	0	0	29
1% Annual Chance	4,378	0	0	0	11
0.2% Annual Chance	11	0	0	0	0

Table R2.5-19
Alternative 2 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Owens River Valley	**189,098**	**385**	**0**	**950**	**4**
Not Assessed	47	0	0	0	0
Minimal	187,812	357	0	881	4
1% Annual Chance	1,238	28	0	69	0
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**457,137**	**594**	**99**	**0**	**0**
Not Assessed	172,821	528	88	0	0
Minimal	269,023	66	11	0	0
1% Annual Chance	15,293	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**2,456**	**1,359**	**0**	**1,203**
Not Assessed	848,243	2,429	1,344	0	1,199
Minimal	34,192	26	15	0	4
1% Annual Chance	561	0	0	0	0
0.2% Annual Chance	1	0	0	0	0
Piute Valley and Sacramento Mountains	**896,362**	**0**	**0**	**0**	**0**
Not Assessed	895,278	0	0	0	0
Minimal	741	0	0	0	0
1% Annual Chance	344	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-19
Alternative 2 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Providence and Bullion Mountains	**1,415,823**	**950**	**587**	**0**	**17**
Not Assessed	1,351,295	950	587	0	17
Minimal	62,131	0	0	0	0
1% Annual Chance	2,397	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**12,481**	**277**	**0**	**2,441**
Not Assessed	421,884	3,350	0	0	526
Minimal	435,827	7,600	203	0	1,811
1% Annual Chance	19,762	1,460	74	0	87
0.2% Annual Chance	1,009	70	0	0	17
Grand Total	**9,916,826**	**39,021**	**8,087**	**6,708**	**7,355**

SUMMARY: Potential Development in 100-year Floodplains on BLM Lands in the DRECP Plan Area	Solar	Wind	Geothermal	Transmission	Total
Potential Development Within 100-year Floodplains on BLM Lands in DRECP Plan Area	1,691	129	120	122	2,062
Total 100-year Floodplains on BLM Lands within DRECP Plan Area	132,595	132,595	132,595	132,595	132,595
Percent of Potential Development in 100-Year Floodplains on BLM Lands within DRECP Plan Area	1.3%	0.1%	0.1%	0.1%	1.6%

Table R2.5-20
Alternative 2 – Potential Development Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	8,660	22	6	0	2	30	0.4%
Imperial Borrego Valley	1,632	12	4	5	1	21	1.3%
Kingston and Funeral Mountains	4,851	6	2	0	1	9	0.2%
Mojave and Silurian Valley	3,548	13	5	0	7	25	0.7%
Owens River Valley	834	4	0	9	0	13	1.6%
Panamint Death Valley	2,930	2	0	0	0	2	0.1%
Pinto Lucerne Valley and Eastern Slopes	2,500	6	4	0	3	12	0.5%
Piute Valley and Sacramento Mountains	3,941	0	0	0	0	0	0.0%
Providence and Bullion Mountains	4,077	1	1	0	0	2	0.1%
West Mojave and Eastern Slopes	3,347	57	1	0	10	68	2.0%
Grand Total	**36,321**	**122**	**22**	**14**	**24**	**183**	**0.5%**

Table R2.5-21
Alternative 2 – Potential Development Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	36,652	362	94	0	7	462	1.3%
Imperial Borrego Valley	1,493	4	0	4	1	9	0.6%
Kingston and Funeral Mountains	21,323	68	18	0	9	94	0.4%
Mojave and Silurian Valley	17,589	79	33	0	10	122	0.7%
Owens River Valley	1,056	2	0	6	0	8	0.8%
Panamint Death Valley	38,808	444	74	0	0	518	1.3%
Pinto Lucerne Valley and Eastern Slopes	5,893	65	25	0	12	102	1.7%
Piute Valley and Sacramento Mountains	11	0	0	0	0	0	0.0%
Providence and Bullion Mountains	38,894	48	30	0	0	78	0.2%
West Mojave and Eastern Slopes	20,199	1,410	89	0	32	1,532	7.6%
Grand Total	**181,917**	**2,483**	**362**	**10**	**70**	**2,925**	**1.6%**

Table R2.5-22
Alternative 2 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails
Cadiz Valley and Chocolate Mountains	**1,186,609**	**224,407**	**683**	**106,775**	**11,548**
Not Assessed	997,230	210,941	683	62,549	0
Minimal	179,438	13,340	0	41,598	11,435
1% Annual Chance	9,942	126	0	2,628	113
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**455,605**	**49,848**	**0**	**42,083**	**349,406**
Not Assessed	64,120	1,920	0	0	91,061
Minimal	373,322	47,508	0	40,856	241,314
1% Annual Chance	18,146	420	0	1,228	17,010
0.2% Annual Chance	17	0	0	0	21
Kingston and Funeral Mountains	**536,437**	**42,990**	**0**	**42,581**	**470,075**
Not Assessed	285,291	33,763	0	26,050	173,878
Minimal	228,389	8,362	0	16,531	289,274
1% Annual Chance	22,757	865	0	0	6,923
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**506,869**	**30,419**	**0**	**62,645**	**683,583**
Not Assessed	482,591	30,337	0	60,874	674,135
Minimal	22,772	81	0	1,109	5,059
1% Annual Chance	1,495	0	0	662	4,378
0.2% Annual Chance	11	0	0	0	11

Table R2.5-22
Alternative 2 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails
Owens River Valley	**48,860**	**10,315**	**0**	**7,462**	**98,608**
Not Assessed	0	0	0	0	47
Minimal	48,578	10,313	0	7,462	98,431
1% Annual Chance	282	2	0	0	130
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**287,439**	**14,999**	**0**	**79,511**	**7,872**
Not Assessed	54,788	9,605	0	5,449	7,872
Minimal	218,334	5,191	0	65,422	0
1% Annual Chance	14,318	204	0	8,640	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**436,692**	**33,901**	**0**	**1,920**	**218,032**
Not Assessed	420,135	33,896	0	1,920	216,032
Minimal	16,097	5	0	0	1,929
1% Annual Chance	460	0	0	0	71
0.2% Annual Chance	0	0	0	0	0
Piute Valley and Sacramento Mountains	**497,586**	**188,399**	**0**	**0**	**84,882**
Not Assessed	496,518	188,399	0	0	84,882
Minimal	729	0	0	0	0
1% Annual Chance	339	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-22
Alternative 2 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails
Providence and Bullion Mountains	**772,897**	**119,197**	**0**	**127,407**	**132,235**
Not Assessed	745,249	116,173	0	127,407	132,235
Minimal	25,334	3,012	0	0	0
1% Annual Chance	2,314	12	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**561,649**	**106,528**	**59**	**18,807**	**420,479**
Not Assessed	325,348	10,419	0	2,718	128,013
Minimal	232,213	94,105	59	16,071	286,796
1% Annual Chance	4,010	1,999	1	18	4,669
0.2% Annual Chance	78	6	0	0	1,000
Grand Total	**5,290,643**	**821,003**	**742**	**489,192**	**2,476,719**

SUMMARY: Potential Conservation of 100-year Floodplains on BLM Land in DRECP Plan Area	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail	Total
Potential Conservation in 100-year Floodplains on BLM Lands	74,062	3,627	1	13,174	33,293	124,157
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595	132,595	132,595	132,595	132,595
Percent of 100-year Floodplains that could be Conserved on BLM Lands in DRECP Plan Area	55.9%	2.7%	0.0%	9.9%	25.1%	93.6%

Table R2.5-23
Alternative 2 – Potential Conservation Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	8,660	4,863	847	4	416	39	6,169	71.2%
Imperial Borrego Valley	1,632	836	31	0	27	686	1,580	96.8%
Kingston and Funeral Mountains	4,851	2,489	100	0	269	1,887	4,745	97.8%
Mojave and Silurian Valley	3,548	1,495	59	0	280	2,707	4,541	128.0%
Owens River Valley	834	306	12	0	42	514	874	104.8%
Panamint Death Valley	2,930	2,055	111	0	493	48	2,707	92.4%
Pinto Lucerne Valley and Eastern Slopes	2,500	1,366	126	0	6	725	2,223	88.9%
Piute Valley and Sacramento Mountains	3,941	2,261	699	0	0	422	3,382	85.8%
Providence and Bullion Mountains	4,077	2,085	480	0	351	434	3,350	82.2%
West Mojave and Eastern Slopes	3,347	2,097	465	0	71	1,596	4,229	126.4%
Grand Total	**36,321**	**19,854**	**2,929**	**4**	**1,956**	**9,058**	**33,801**	**93.1%**

Table R2.5-24
Alternative 2 – Potential Conservation Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	36,652	31,279	229	39	1,710	0	33,257	90.7%
Imperial Borrego Valley	1,493	308	27	0	0	19	354	23.7%
Kingston and Funeral Mountains	21,323	15,381	49	0	0	49	15,479	72.6%
Mojave and Silurian Valley	17,589	8,593	1,924	0	1,406	1,452	13,375	76.0%
Owens River Valley	1,056	220	666	0	0	0	886	83.9%
Panamint Death Valley	38,808	11,919	1	0	8,944	0	20,864	53.8%
Pinto Lucerne Valley and Eastern Slopes	5,893	416	5	0	0	18	439	7.4%
Piute Valley and Sacramento Mountains	11	8	0	0	0	0	8	72.7%
Providence and Bullion Mountains	38,894	36,343	19	0	1,131	0	37,493	96.4%
West Mojave and Eastern Slopes	20,199	8,395	19	0	1	0	8,415	41.7%
Grand Total	**181,917**	**112,861**	**2,940**	**39**	**13,192**	**1,539**	**130,571**	**71.8%**

R2.5.5 Alternative 3

Table R2.5-25
Alternative 3 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains	**2,159,406**	**8,149**	**317**	**0**	**2,196**
Not Assessed	1,864,167	8,149	317	0	2,196
Minimal	284,281	0	0	0	0
1% Annual Chance	10,957	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**10,013**	**131**	**5,793**	**1,445**
Not Assessed	98,828	217	0	114	152
Minimal	716,191	9,651	117	5,622	1,238
1% Annual Chance	34,914	144	13	57	54
0.2% Annual Chance	21	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**0**	**0**	**0**	**0**
Not Assessed	590,319	0	0	0	0
Minimal	551,793	0	0	0	0
1% Annual Chance	42,751	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**586**	**0**	**0**	**1,499**
Not Assessed	974,232	568	0	0	1,498
Minimal	24,378	18	0	0	1
1% Annual Chance	4,378	0	0	0	0
0.2% Annual Chance	11	0	0	0	0

Table R2.5-25
Alternative 3 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Owens River Valley	**189,098**	**1,028**	**0**	**998**	**155**
Not Assessed	47	0	0	0	0
Minimal	187,812	952	0	925	149
1% Annual Chance	1,238	76	0	73	6
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**457,137**	**1,451**	**0**	**0**	**456**
Not Assessed	172,821	1,378	0	0	0
Minimal	269,024	74	0	0	456
1% Annual Chance	15,293	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**2,660**	**313**	**0**	**1,565**
Not Assessed	848,242	2,601	306	0	1,561
Minimal	34,192	59	7	0	4
1% Annual Chance	561	0	0	0	0
0.2% Annual Chance	1	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**0**	**0**	**0**	**0**
Not Assessed	895,278	0	0	0	0
Minimal	741	0	0	0	0
1% Annual Chance	344	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-25
Alternative 3 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	Solar	Wind	GT	Transmission
Providence and Bullion Mountains	**1,415,824**	**989**	**0**	**0**	**146**
Not Assessed	1,351,295	989	0	0	146
Minimal	62,131	0	0	0	0
1% Annual Chance	2,397	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**3,928**	**102**	**0**	**1,271**
Not Assessed	421,884	527	0	0	33
Minimal	435,827	1,792	53	0	1,172
1% Annual Chance	19,762	1,609	49	0	59
0.2% Annual Chance	1,009	0	0	0	8
Grand Total	**9,917,121**	**28,803**	**863**	**6,791**	**8,734**

SUMMARY: Potential Development Within 100-year Floodplains on BLM Lands in the DRECP Plan Area	Solar	Wind	Geothermal	Transmission	Total
Potential Development Within 100-year Floodplains on BLM Lands in DRECP Plan Area	1,829	62	131	119	2,141
Total 100-year Floodplains on BLM Lands in DRECP Plan Area	132,595	132,595	132.595	132,595	132.595
Percent of 100-Year Floodplains that Could be Developed on BLM Lands in the DRECP Plan Area	1.4%	0.0%	0.1%	0.1%	1.6%

Table R2.5-26
Alternative 3 – Potential Development Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	8,660	18	1	0	6	24	0.3%
Imperial Borrego Valley	1,629	12	1	5	2	20	1.2%
Kingston and Funeral Mountains	4,851	0	0	0	0	0	0.0%
Mojave and Silurian Valley	3,548	0	0	0	4	5	0.1%
Owens River Valley	834	10	0	10	1	21	2.5%
Panamint Death Valley	2,930	4	0	0	1	5	0.2%
Pinto Lucerne Valley and Eastern Slopes	2,500	6	1	0	4	10	0.4%
Piute Valley and Sacramento Mountains	3,941	0	0	0	0	0	0.0%
Providence and Bullion Mountains	4,077	2	0	0	0	2	0.1%
West Mojave and Eastern Slopes	3,348	11	0	0	5	17	0.5%
Grand Total	**36,319**	**63**	**2**	**15**	**23**	**104**	**0.3%**

Table R2.5-27
Alternative 3 – Potential Development Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	36,652	8	0	0	14	23	0.1%
Imperial Borrego Valley	1,493	8	0	4	0	12	0.8%
Kingston and Funeral Mountains	21,323	0	0	0	0	0	0.0%
Mojave and Silurian Valley	17,589	0	0	0	3	3	0.0%
Owens River Valley	1,056	6	0	6	1	13	1.3%
Panamint Death Valley	38,808	1,210	0	0	0	1,210	3.1%
Pinto Lucerne Valley and Eastern Slopes	5,893	157	18	0	22	197	3.4%
Piute Valley and Sacramento Mountains	11	0	0	0	0	0	0.0%
Providence and Bullion Mountains	38,894	276	0	0	10	286	0.7%
West Mojave and Eastern Slopes	20,199	2,042	62	0	0	2,105	10.4%
Grand Total	**181,917**	**3,707**	**81**	**10**	**51**	**3,849**	**2.1%**

Table R2.5-28
Alternative 3 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Management
Cadiz Valley and Chocolate Mountains	**2,159,406**	**717,302**	**729,833**	**0**	**106,775**	**0**
Not Assessed	1,864,167	537,918	710,104	0	62,549	0
Minimal	284,281	169,470	19,720	0	41,598	0
1% Annual Chance	10,957	9,915	10	0	2,628	0
0.2% Annual Chance	0	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**429,643**	**60,821**	**0**	**42,083**	**216,041**
Not Assessed	98,828	51,499	6,023	0	0	56,116
Minimal	716,191	359,813	53,451	0	40,856	148,429
1% Annual Chance	34,914	18,331	1,346	0	1,228	11,497
0.2% Annual Chance	21	0	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**441,327**	**101,216**	**0**	**42,581**	**217,186**
Not Assessed	590,319	196,306	94,272	0	26,050	30,640
Minimal	551,793	222,800	6,871	0	16,531	183,615
1% Annual Chance	42,751	22,220	74	0	0	2,931
0.2% Annual Chance	0	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**148,432**	**345,545**	**0**	**62,644**	**453,587**
Not Assessed	974,232	145,562	329,098	0	60,874	444,139
Minimal	24,378	2,209	15,679	0	1,109	5,059
1% Annual Chance	4,378	662	768	0	662	4,378
0.2% Annual Chance	11	0	0	0	0	11

Table R2.5-28
Alternative 3 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Management
Owens River Valley	**189,098**	**47,606**	**12,776**	**0**	**7,462**	**960**
Not Assessed	47	0	0	0	0	0
Minimal	187,812	47,603	12,502	0	7,462	960
1% Annual Chance	1,238	3	274	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
Panamint Death Valley	**457,137**	**182,003**	**114,622**	**0**	**79,511**	**0**
Not Assessed	172,821	1,808	62,745	0	5,449	0
Minimal	269,024	166,010	51,541	0	65,422	0
1% Annual Chance	15,293	14,185	335	0	8,640	0
0.2% Annual Chance	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**322,843**	**169,226**	**0**	**1,920**	**66,376**
Not Assessed	848,242	314,591	168,652	0	1,920	65,416
Minimal	34,192	8,240	574	0	0	952
1% Annual Chance	561	12	0	0	0	8
0.2% Annual Chance	1	0	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**391,935**	**193,477**	**0**	**0**	**54,980**
Not Assessed	895,278	391,935	193,477	0	0	54,980
Minimal	741	0	0	0	0	0
1% Annual Chance	344	0	0	0	0	0
0.2% Annual Chance	0	0	0	0	0	0

Table R2.5-28
Alternative 3 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designations	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Management
Providence and Bullion Mountains	**1,415,824**	**588,774**	**257,926**	**0**	**127,407**	**28,330**
Not Assessed	1,351,295	561,743	254,170	0	127,407	28,330
Minimal	62,131	24,746	3,754	0	0	0
1% Annual Chance	2,397	2,285	2	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**194,061**	**461,303**	**13,151**	**18,807**	**222,853**
Not Assessed	421,884	15,767	335,818	0	2,718	52,252
Minimal	435,827	175,292	121,727	13,103	16,071	169,428
1% Annual Chance	19,762	3,002	3,736	42	18	1,171
0.2% Annual Chance	1,009	0	22	6	0	2
Grand Total	**9,917,121**	**3,463,925**	**2,446,744**	**13,151**	**489,192**	**1,260,313**

SUMMARY: Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	NLCS	ACEC	Wildlife	Wilderness Characteristics	Trail	Total
Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	70,615	6,545	42	13,174	19,984	110,360
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595	132,595	132,595	132,595	132,595
Percent of 100-year Floodplains that Could be Conserved on BLM Lands in the DRECP Plan Area	53.2%	4.9%	0.0%	9.9%	15.1%	83.2%

Table R2.5-29
Alternative 3 – Potential Conservation Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	8,660	2,802	3,084	0	416	0	6,302	72.8%
Imperial Borrego Valley	1,629	935	75	0	27	352	1,389	85.3%
Kingston and Funeral Mountains	4,851	1,818	603	0	269	800	3,490	71.9%
Mojave and Silurian Valley	3,548	668	844	0	280	1,882	3,674	103.6%
Owens River Valley	834	297	23	0	42	4	366	43.9%
Panamint Death Valley	2,930	1,428	733	0	493	0	2,654	90.6%
Pinto Lucerne Valley and Eastern Slopes	2,500	1,035	489	0	6	225	1,755	70.2%
Piute Valley and Sacramento Mountains	3,941	1,688	726	0	0	297	2,711	68.8%
Providence and Bullion Mountains	4,077	1,610	808	0	351	87	2,856	70.1%
West Mojave and Eastern Slopes	3,348	851	1,697	49	71	802	3,470	103.6%
Grand Total	**36,319**	**13,132**	**9,081**	**49**	**1,956**	**4,450**	**28,668**	**78.9%**

Table R2.5-30
Alternative 3 – Potential Conservation Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Row Labels	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	36,652	12,450	22,398	0	1,710	0	36,558	99.7%
Imperial Borrego Valley	1,493	108	29	0	0	565	702	47.0%
Kingston and Funeral Mountains	21,323	9,039	3,963	0	0	463	13,465	63.1%
Mojave and Silurian Valley	17,589	1,483	8,917	0	1,406	10,214	22,020	125.2%
Owens River Valley	1,056	148	737	0	0	0	885	83.8%
Panamint Death Valley	38,808	11,889	29	0	8,944	0	20,862	53.8%
Pinto Lucerne Valley and Eastern Slopes	5,893	87	353	0	0	93	533	9.0%
Piute Valley and Sacramento Mountains	11	2	3	0	0	0	5	45.5%
Providence and Bullion Mountains	38,894	2,458	13,745	0	1,131	0	17,334	44.6%
West Mojave and Eastern Slopes	20,199	10	3,779	3	1	22	3,815	18.9%
Grand Total	**181,917**	**37,673**	**53,952**	**3**	**13,192**	**11,357**	116,177	**63.9%**

R2.5.6 Alternative 4

Table R2.5-31
Alternative 4 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designation	Total Acres	Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains	**2,159,110**	**27,436**	**2,208**	**0**	**2,206**
Not Assessed	1,863,871	27,436	2,208	0	2,206
Minimal	284,281	0	0	0	0
1% Annual Chance	10,957	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**1,569**	**0**	**4,265**	**1,181**
Not Assessed	98,828	0	0	64	140
Minimal	716,192	1,569	0	4,167	993
1% Annual Chance	34,914	0	0	34	49
0.2% Annual Chance	21	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**0**	**0**	**0**	**0**
Not Assessed	590,319	0	0	0	0
Minimal	551,793	0	0	0	0
1% Annual Chance	42,751	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**0**	**0**	**0**	**1,576**
Not Assessed	974,232	0	0	0	1,574
Minimal	24,378	0	0	0	1
1% Annual Chance	4,378	0	0	0	0
0.2% Annual Chance	11	0	0	0	0

Table R2.5-31
Alternative 4 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designation	Total Acres	Solar	Wind	GT	Transmission
Owens River Valley	**189,098**	**819**	**0**	**1,130**	**3**
Not Assessed	47	0	0	0	0
Minimal	187,812	754	0	1,041	3
1% Annual Chance	1,238	65	0	90	0
0.2% Annual Chance	0	0	0	0	0
Panamint Death Valley	**457,137**	**628**	**0**	**0**	**0**
Not Assessed	172,821	628	0	0	0
Minimal	269,024	0	0	0	0
1% Annual Chance	15,293	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**208**	**169**	**0**	**2,139**
Not Assessed	848,243	199	161	0	2,138
Minimal	34,192	9	7	0	2
1% Annual Chance	561	0	0	0	0
0.2% Annual Chance	1	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**0**	**0**	**0**	**0**
Not Assessed	895,278	0	0	0	0
Minimal	741	0	0	0	0
1% Annual Chance	344	0	0	0	0
0.2% Annual Chance	0	0	0	0	0

Table R2.5-31
Alternative 4 – Potential Development Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designation	Total Acres	Solar	Wind	GT	Transmission
Providence and Bullion Mountains	**1,415,824**	**155**	**0**	**0**	**14**
Not Assessed	1,351,295	155	0	0	14
Minimal	62,131	0	0	0	0
1% Annual Chance	2,397	0	0	0	0
0.2% Annual Chance	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**2,523**	**190**	**0**	**1,023**
Not Assessed	421,884	117	0	0	253
Minimal	435,827	1,423	111	0	710
1% Annual Chance	19,762	983	79	0	53
0.2% Annual Chance	1,009	0	0	0	7
Grand Total	**9,916,826**	**33,339**	**2,567**	**5,396**	**8,141**

SUMMARY: Potential Development Within 100-year Floodplains on BLM Lands in the DRECP Plan Area	Solar	Wind	Geothermal	Transmission	Total
Potential Development Within 100-year Floodplains on BLM Lands in the DRECP Plan Area	1,048	79	124	101	1,352
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595	132,595	132,595	132,595
Percent of 100-year Floodplains that could be developed on BLM Lands in the DRECP Plan Area	0.8%	0.1%	0.1%	0.1%	1.0%

Table R2.5-32
Alternative 4 – Potential Development Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	8,660	55	4	0	6	65	0.8%
Imperial Borrego Valley	1,629	0	0	3	2	5	0.3%
Kingston and Funeral Mountains	4,851	0	0	0	0	0	0.0%
Mojave and Silurian Valley	3,548	0	0	0	4	4	0.1%
Owens River Valley	834	8	0	11	0	18	2.2%
Panamint Death Valley	2,930	5	0	0	0	5	0.2%
Pinto Lucerne Valley and Eastern Slopes	2,500	1	0	0	5	6	0.2%
Piute Valley and Sacramento Mountains	3,941	0	0	0	0	0	0.0%
Providence and Bullion Mountains	4,077	0	0	0	0	0	0.0%
West Mojave and Eastern Slopes	3,338	10	1	0	4	14	0.4%
Grand Total	**36,309**	**78**	**6**	**14**	**21**	**119**	**0.3%**

Table R2.5-33
Alternative 4 – Potential Development Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres))

Ecoregion Subarea	Total Acres	Solar	Wind	GT	Transmission	Subtotal	Percent Developed
Cadiz Valley and Chocolate Mountains	36,652	947	76	0	15	1,038	2.8%
Imperial Borrego Valley	1,493	0	0	0	2	2	0.2%
Kingston and Funeral Mountains	21,323	0	0	0	0	0	0.0%
Mojave and Silurian Valley	17,589	0	0	0	2	2	0.0%
Owens River Valley	1,056	5	0	7	0	12	1.2%
Panamint Death Valley	38,808	0	0	0	0	0	0.0%
Pinto Lucerne Valley and Eastern Slopes	5,893	1	1	0	11	13	0.2%
Piute Valley and Sacramento Mountains	11	0	0	0	0	0	0.0%
Providence and Bullion Mountains	38,894	1	0	0	1	2	0.0%
West Mojave and Eastern Slopes	20,199	1,274	102	0	23	1,400	6.9%
Grand Total	**181,917**	**2,229**	**179**	**7**	**54**	**2,470**	**1.4%**

Table R2.5-34
Alternative 4 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designation	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails Management
Cadiz Valley and Chocolate Mountains	**2,159,110**	**576,437**	**398,324**	**215,527**	**106,775**	**0**
Not Assessed	1,863,871	414,487	378,868	214,528	62,549	0
Minimal	284,281	153,206	18,606	958	41,598	0
1% Annual Chance	10,957	8,744	850	41	2,628	0
0.2% Annual Chance	0	0	0	0	0	0
Imperial Borrego Valley	**849,955**	**259,812**	**86,335**	**0**	**42,083**	**43,791**
Not Assessed	98,828	49,787	7,828	0	0	12,753
Minimal	716,192	201,317	77,030	0	40,856	28,394
1% Annual Chance	34,914	8,708	1,477	0	1,228	2,644
0.2% Annual Chance	21	0	0	0	0	0
Kingston and Funeral Mountains	**1,184,862**	**349,752**	**142,155**	**0**	**42,581**	**53,122**
Not Assessed	590,319	106,295	135,211	0	26,050	2,736
Minimal	551,793	221,237	6,871	0	16,531	49,921
1% Annual Chance	42,751	22,220	74	0	0	465
0.2% Annual Chance	0	0	0	0	0	0
Mojave and Silurian Valley	**1,002,999**	**110,247**	**300,628**	**0**	**62,644**	**90,211**
Not Assessed	974,232	110,056	284,165	0	60,874	83,136
Minimal	24,378	192	15,695	0	1,109	3,396
1% Annual Chance	4,378	0	768	0	662	3,668
0.2% Annual Chance	11	0	0	0	0	11

Table R2.5-34
Alternative 4 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designation	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails Management
Owens River Valley	**189,098**	**32,712**	**17,194**	**0**	**7,462**	**0**
Not Assessed	47	0	0	0	0	0
Minimal	187,812	32,709	16,921	0	7,462	0
1% Annual Chance	1,238	3	274	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
Panamint Death Valley	**457,137**	**186,061**	**109,652**	**0**	**79,511**	**0**
Not Assessed	172,821	5,866	58,625	0	5,449	0
Minimal	269,024	166,010	50,692	0	65,422	0
1% Annual Chance	15,293	14,185	335	0	8,640	0
0.2% Annual Chance	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**882,997**	**282,242**	**169,795**	**62**	**1,920**	**6,965**
Not Assessed	848,243	281,088	169,255	62	1,920	6,521
Minimal	34,192	1,142	540	0	0	444
1% Annual Chance	561	12	0	0	0	0
0.2% Annual Chance	1	0	0	0	0	0
Piute Valley and Sacramento Mountains	**896,363**	**317,974**	**264,387**	**0**	**0**	**14,219**
Not Assessed	895,278	317,974	264,387	0	0	14,219
Minimal	741	0	0	0	0	0
1% Annual Chance	344	0	0	0	0	0
0.2% Annual Chance	0	0	0	0	0	0

Table R2.5-34
Alternative 4 – Potential Conservation Within Mapped 100-year Floodplains on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea Flood Designation	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trails Management
Providence and Bullion Mountains	**1,415,824**	**406,161**	**334,243**	**41,660**	**127,407**	**2,126**
Not Assessed	1,351,295	383,681	330,676	41,660	127,407	2,126
Minimal	62,131	20,638	3,564	0	0	0
1% Annual Chance	2,397	1,843	2	0	0	0
0.2% Annual Chance	0	0	0	0	0	0
West Mojave and Eastern Slopes	**878,482**	**167,097**	**475,703**	**18,457**	**18,807**	**43,046**
Not Assessed	421,884	16,627	328,092	0	2,718	2,929
Minimal	435,827	147,912	143,448	18,423	16,071	39,991
1% Annual Chance	19,762	2,557	4,145	30	18	126
0.2% Annual Chance	1,009	0	18	5	0	0
Grand Total	**9,916,826**	**2,688,495**	**2,298,418**	**275,706**	**489,192**	**253,480**

SUMMARY: Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	NLCS	ACEC	Wilderness Characteristics	Wildlife Allocations	Trail Mgmt	Total
Potential Conservation of 100-year Floodplains on BLM Lands in the DRECP Plan Area	58,272	7,925	13,176	71	6,903	86,347
Total 100-year Floodplains on BLM Lands in the DRECP Plan Area	132,595	132,595	132,595	132,595	132,595	132,595
Percent of 100-year Floodplains that could be Conserved on BLM Lands in the DRECP Plan Area	44%	6.0%	9.9%	0.0%	5.2%	65.1%

Table R2.5-35
Alternative 4 – Potential Conservation Within Linear Surface Water Features on BLM Lands in the DRECP Plan Area (Miles)

Ecoregion Subarea	Total Miles	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	8,660	2,405	1,579	635	416	0	5,036	58.16%
Imperial Borrego Valley	1,629	365	91	0	27	67	640	39.30%
Kingston and Funeral Mountains	4,851	1,370	802	0	269	205	2,664	54.91%
Mojave and Silurian Valley	3,548	333	786	0	280	389	1,936	54.57%
Owens River Valley	834	172	129	0	42	0	383	45.90%
Panamint Death Valley	2,930	1,476	679	0	493	0	2,948	100.62%
Pinto Lucerne Valley and Eastern Slopes	2,500	898	490	0	6	27	1,931	77.22%
Piute Valley and Sacramento Mountains	3,941	1,364	1,029	0	0	85	2,606	66.14%
Providence and Bullion Mountains	4,077	1,180	1,043	78	351	6	2,658	65.18%
West Mojave and Eastern Slopes	3,338	735	1,768	66	71	146	3,087	92.46%
Grand Total	**36,309**	**10,299**	**8,396**	**779**	**1,956**	**925**	**23,889**	**65.79%**

Table R2.5-36
Alternative 4 – Potential Conservation Within Areal Surface Water Features on BLM Lands in the DRECP Plan Area (Acres)

Ecoregion Subarea	Total Acres	NLCS	ACEC	Wildlife Allocation	Wilderness Characteristics	Trail Mgmt	Subtotal	Percent Conserved
Cadiz Valley and Chocolate Mountains	36,652	6,558	49	22,396	1,710	0	30,713	83.8%
Imperial Borrego Valley	1,493	61	50	0	0	34	787	52.7%
Kingston and Funeral Mountains	21,323	9,038	3,965	0	0	112	13,115	61.5%
Mojave and Silurian Valley	17,589	158	8,855	0	1,406	5,660	16,130	91.7%
Owens River Valley	1,056	156	107	0	0	0	263	25.0%
Panamint Death Valley	38,808	11,889	29	0	8,944	0	20,862	53.8%
Pinto Lucerne Valley and Eastern Slopes	5,893	57	94	0	0	23	3,312	56.2%
Piute Valley and Sacramento Mountains	11	2	0	0	0	0	2	20.0%
Providence and Bullion Mountains	38,894	1,783	0	13,745	1,131	0	16,659	42.8%
West Mojave and Eastern Slopes	20,199	7	3,782	3	1	5	10,388	51.4%
Grand Total	**181,917**	**29,709**	**16,930**	**36,144**	**13,192**	**5,835**	**112,231**	**61.7%**

Appendix R2.6 Groundwater, Water Supply, and Water Quality

This appendix presents data supporting the analysis in Volume IV, Chapter IV.6. This appendix is organized as follows.

Section R2.6.1 No Action Alternative: Tables R2.6-1 and R2.6-2

Section R2.6.2 Preferred Alternative: Tables R2.6-3 and R2.6-4

Section R2.6.3 Alternative 1: Tables R2.6-5 and R2.6-6

Section R2.6.4 Alternative 2: Tables R2.6-7 and R2.6-8

Section R2.6.5 Alternative 3: Tables R2.6-9 and R2.6-10

Section R2.6.6 Alternative 4: Tables R2.6-11 and R2.6-12

R2.6.1: No Action Alternative

Table R2.6-1
Estimated Acres of Groundwater Basin in Conservation by Subarea– No Action Alternative

Subarea	Groundwater Basin in Subarea (acres)	Existing Protected Areas (acres)	BLM Conservation Designations (acres)	% in Conservation
Cadiz Valley and Chocolate Mountains	2,275,000	487,000	336,000	36%
Imperial Borrego Valley	2,161,000	302,000	133,000	20%
Kingston and Funeral Mountains	1,491,000	929,000	103,000	69%
Mojave and Silurian Valley	1,624,000	512,000	203,000	44%
Owens River Valley	381,000	12,000	300	3%
Panamint Death Valley	1,289,000	896,000	6,000	70%
Pinto Lucerne Valley and Eastern Slopes	1,014,000	239,000	96,000	33%
Piute Valley and Sacramento Mountains	588,000	128,000	282,000	70%
Providence and Bullion Mountains	1,706,000	654,000	192,000	50%
West Mojave and Eastern Slopes	2,613,000	78,000	344,000	16%
Total	**15,755,000**	**4,274,000**	**1,697,000**	**38%**

*Project-by-project mitigation generated from renewable energy and transmission development is not reflected in this tabular summary.

Note: Data has been rounded; tables may not sum due to rounding.

Table R2.6-2
Estimated Acres of Groundwater Basin on BLM Land Designations Outside of DRECP Area – No Action Alternative

Groundwater Basin	Areas Managed for Recreation (acres)	Existing ACECs (acres)
BLACK SPRINGS VALLEY	8,000	0
BORREGO VALLEY	3,000	0
BUCK RIDGE FAULT VALLEY	3,000	0
CHOCOLATE VALLEY	12,000	15,000
COACHELLA VALLEY - DESERT HOT SPRINGS	13,000	9,000
COACHELLA VALLEY - INDIO	14,000	1,000
COACHELLA VALLEY - MISSION CREEK	0	6,000
COACHELLA VALLEY - SAN GORGONIO PASS	50	0
COYOTE WELLS VALLEY	7,000	300
DAVIES VALLEY	4,000	0
DEATH VALLEY	200	0
DEEP SPRINGS VALLEY	23,000	500
EUREKA VALLEY	30,000	0
FISH LAKE VALLEY	42,000	0
INDIAN WELLS VALLEY	500	80
KERN RIVER VALLEY	10	70
LEE FLAT	5,000	400
OROCOPIA VALLEY	24,000	23,000
OWENS VALLEY	1,000	0
PANAMINT VALLEY	0	0
ROSE VALLEY	300	200
SALINE VALLEY	9,000	700
SANTA ROSA FLAT	12,000	0
SEARLES VALLEY	0	30
VALLECITO-CARRIZO VALLEY	2,000	2,000
TOTAL	**213,000**	**59,000**

R2.6.2: Preferred Alternative

Table R2.6-3
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area – Preferred Alternative

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
ANTELOPE VALLEY	0	0	0	0/0
BLACK SPRINGS VALLEY	27,000	9,000	16,000	0/0
BORREGO VALLEY	3,000	300	300	100/0
BUCK RIDGE FAULT VALLEY	3,000	0	0	0/0
BUTTE VALLEY	20	0	0	0/0
CACTUS FLAT	7,000	4,000	4,000	0/0
CHOCOLATE VALLEY	30,000	14,000	15,000	0/0
COACHELLA VALLEY	71,000	15,000	17,000	11,000/0
COYOTE WELLS VALLEY	7,000	1,000	2,000	300/0
DARWIN VALLEY	12,000	2,000	11,000	0/0
DAVIES VALLEY	4,000	0	0	0/0
DEATH VALLEY	300	200	0	0/0
DEEP SPRINGS VALLEY	23,000	7,000	500	0/0
EAST SALTON SEA	1,000	0	0	0/0
EUREKA VALLEY	30,000	4,000	0	0/0
FISH LAKE VALLEY	43,000	1,000	0	0/0
IMPERIAL VALLEY	200	50	100	100/0
INDIAN WELLS VALLEY	500	300	400	200/0
JACUMBA VALLEY	40	0	0	0/0
KERN RIVER VALLEY	80	0	80	0/0
LEE FLAT	5,000	4,000	800	0/0
OROCOPIA VALLEY	37,000	17,000	23,000	0/0
OWENS VALLEY	14,000	3,000	3,000	0/0

Table R2.6-3
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area – Preferred Alternative

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
PANAMINT VALLEY	5,000	900	2,000	0/0
ROSE VALLEY	2,000	1,000	2,000	0/0
SALINE VALLEY	9,000	3,000	700	0/0
SANTA ROSA FLAT	15,000	5,000	2,000	0/0
SEARLES VALLEY	300	200	200	0/0
VALLECITO-CARRIZO VALLEY	2,000	0	2,000	0/0
Total	**353,000**	**94,000**	**101,000**	**11,000/0**

†These designations overlap.

Note: Data has been rounded; tables may not sum due to rounding.

Table R2.6-4
Estimated Acres of Groundwater Basins in of Ecological and Cultural Conservation and Recreation Designations by Subarea – Preferred Alternative

Subarea	Groundwater Basins in Subarea (acres)	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	% in Conservation
Cadiz Valley and Chocolate Mountains	2,293,000	487,000	976,000	64%
Imperial Borrego Valley	2,161,000	303,000	401,000	33%
Kingston and Funeral Mountains	1,490,000	931,000	338,000	85%
Mojave and Silurian Valley	1,784,000	541,000	300,000	47%
Owens River Valley	381,000	28,000	79,000	28%
Panamint Death Valley	1,391,000	934,000	189,000	81%
Pinto Lucerne Valley and Eastern Slopes	1,268,000	239,000	178,000	33%
Piute Valley and Sacramento Mountains	589,000	128,000	296,000	72%
Providence and Bullion Mountains	1,646,000	656,000	487,000	69%
West Mojave and Eastern Slopes	2,754,000	79,000	523,000	22%
Total	**15,756,000**	**4,327,000**	**3,768,000**	51%

Note: Data has been rounded; tables may not sum due to rounding.

R2.6.3: Alternative 1

Table R2.6-5
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area Alternative 1

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
ANTELOPE VALLEY	0	0	0	0/0
BLACK SPRINGS VALLEY	27,000	3,000	0	0/0
BORREGO VALLEY	3,000	0	300	0/0
BUCK RIDGE FAULT VALLEY	3,000	0	0	0/0
BUTTE VALLEY	20	0	0	0/0
CACTUS FLAT	7,000	4,000	4,000	0/0
CANEBRAKE VALLEY	0	0	0	0/0
CHOCOLATE VALLEY	30,000	6,000	15,000	0/0
COACHELLA VALLEY - DESERT HOT SPRINGS	35,000	7,000	9,000	0/0
COACHELLA VALLEY - INDIO	25,000	200	1,000	500/1.3
COACHELLA VALLEY - MISSION CREEK	11,000	3,000	6,000	1,000/3.9
COACHELLA VALLEY - SAN GORGONIO PASS	400	10	0	10/0
COYOTE WELLS VALLEY	7,000	40	2,000	0/0
DARWIN VALLEY	12,000	600	0	0/0
DAVIES VALLEY	4,000	0	0	0/0
DEATH VALLEY	300	0	0	0/0
DEEP SPRINGS VALLEY	23,000	0	500	0/0
EAST SALTON SEA	1,000	0	0	0/0
EUREKA VALLEY	30,000	4,000	0	0/0
FISH LAKE VALLEY	42,000	0	0	0/0

Table R2.6-5
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area Alternative 1

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
INDIAN WELLS VALLEY	500	100	400	0/0
JACUMBA VALLEY	40	0	0	0/0
KERN RIVER VALLEY	70	0	70	0/0
LEE FLAT	5,000	4,000	800	0/0
MASON VALLEY	10	0	10	0/0
MIDDLE PARK CANYON	50	0	0	0/0
OROCOPIA VALLEY	37,000	900	23,000	0/0
OWENS VALLEY	14,000	2,000	2,000	0/0
PANAMINT VALLEY	5,000	700	0	0/0
ROSE VALLEY	2,000	200	2,000	0/0
SALINE VALLEY	9,000	0	700	0/0
SANTA ROSA FLAT	15,000	5,000	0	0/0
SEARLES VALLEY	300	100	40	0/0
VALLECITO-CARRIZO VALLEY	2,000	0	2,000	0/0
Total	**353,000**	**41,000**	**69,000**	**1,000/5.2**

†These designations overlap.

Table R2.6-6
Estimated Acres of Groundwater Basins in Ecological and Cultural Conservation and Recreation Designations by Subarea –Alternative 1

Subarea	Groundwater Basins in Subarea (acres)	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	% in Conservation
Cadiz Valley and Chocolate Mountains	2,293,000	487,000	1,066,000	68%
Imperial Borrego Valley	2,161,000	303,000	368,000	31%
Kingston and Funeral Mountains	1,490,000	931,000	340,000	85%
Mojave and Silurian Valley	1,784,000	541,000	259,000	45%
Owens River Valley	381,000	28,000	76,000	27%
Panamint Death Valley	1,391,000	934,000	124,000	76%
Pinto Lucerne Valley and Eastern Slopes	1,268,000	239,000	181,000	33%
Piute Valley and Sacramento Mountains	589,000	128,000	295,000	72%
Providence and Bullion Mountains	1,646,000	656,000	499,000	70%
West Mojave and Eastern Slopes	2,754,000	79,000	524,000	22%
Total	**15,756,000**	**4,327,000**	**3,733,000**	**51%**

Note: Data has been rounded; tables may not sum due to rounding.

R2.6.4: Alternative 2

Table R2.6-7
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 2

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
ANTELOPE VALLEY	0	0	0	0/0
BLACK SPRINGS VALLEY	27,000	20,000	16,000	0/0
BORREGO VALLEY	3,000	2,000	300	3,000/0
BUCK RIDGE FAULT VALLEY	3,000	0	0	3,000/0
BUTTE VALLEY	20	0	0	0/0
CACTUS FLAT	7,000	4,000	4,000	0/0
CANEBRAKE VALLEY	0	0	0	0/0
CHOCOLATE VALLEY	30,000	21,000	15,000	0/0
COACHELLA VALLEY - DESERT HOT SPRINGS	35,000	22,000	9,000	400/0
COACHELLA VALLEY - INDIO	25,000	13,000	1,000	6,000/1.3
COACHELLA VALLEY - MISSION CREEK	11,000	8,000	6,000	6,000/3.9
COACHELLA VALLEY - SAN GORGONIO PASS	400	400	0	400/0
COYOTE WELLS VALLEY	7,000	3,000	2,000	6,000/0
DARWIN VALLEY	12,000	11,000	11,000	0/0
DAVIES VALLEY	4,000	10	0	4,000/0
DEATH VALLEY	300	200	0	0/0

Table R2.6-7
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 2

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
DEEP SPRINGS VALLEY	23,000	22,000	500	0/0
EAST SALTON SEA	1,000	1,000	0	0/0
EUREKA VALLEY	30,000	4,000	0	0/0
FISH LAKE VALLEY	42,000	18,000	0	0/0
INDIAN WELLS VALLEY	500	300	400	500/0
JACUMBA VALLEY	40	40	0	0/0
KERN RIVER VALLEY	70	70	70	100/0
LEE FLAT	5,000	4,000	800	0/0
MASON VALLEY	10	0	10	10/0
MIDDLE PARK CANYON	50	50	50	0/0
OROCOPIA VALLEY	37,000	21,000	23,000	0/0
OWENS VALLEY	14,000	3,000	3,000	600/0
PANAMINT VALLEY	5,000	2,000	2,000	0/0
ROSE VALLEY	2,000	2,000	2,000	300/0
SALINE VALLEY	9,000	4,000	700	0/0
SANTA ROSA FLAT	15,000	11,000	2,000	0/0
SEARLES VALLEY	300	200	200	0/0
VALLECITO-CARRIZO VALLEY	2,000	20	2,000	400/0
Total	**353,000**	**196,000**	**100,000**	**30,000/5.2**

Table R2.6-7
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 2

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)

†These designations overlap.
Note: Data has been rounded; tables may not sum due to rounding.

Table R2.6-8
Estimated Acres of Groundwater Basins in Ecological and Cultural Conservation and Recreation Designations by Subarea –Alternative 2

Subarea	Groundwater Basins in Subarea (acres)	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	% in Conservation
Cadiz Valley and Chocolate Mountains	2,293,000	487,000	1,019,000	66%
Imperial Borrego Valley	2,161,000	303,000	388,000	32%
Kingston and Funeral Mountains	1,490,000	931,000	375,000	88%
Mojave and Silurian Valley	1,784,000	541,000	308,000	48%
Owens River Valley	381,000	28,000	72,000	26%
Panamint Death Valley	1,391,000	934,000	185,000	80%
Pinto Lucerne Valley and Eastern Slopes	1,268,000	239,000	185,000	33%
Piute Valley and Sacramento Mountains	589,000	128,000	342,000	80%
Providence and Bullion Mountains	1,646,000	656,000	559,000	74%
West Mojave and Eastern Slopes	2,754,000	79,000	483,000	20%
Total	**15,756,000**	**4,327,000**	**3,916,000**	52%

Note: Data has been rounded; tables may not sum due to rounding.

R2.6.5: Alternative 3

Table R2.6-9
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 3

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
ANTELOPE VALLEY	0	0	0	0/0
BLACK SPRINGS VALLEY	27,000	9,000	16,000	0/0
BORREGO VALLEY	3,000	0	300	100/0
BUCK RIDGE FAULT VALLEY	3,000	0	0	0/0
BUTTE VALLEY	20	0	0	0/0
CACTUS FLAT	7,000	4,000	4,000	0/0
CANEBRAKE VALLEY	0	0	0	0/0
CHOCOLATE VALLEY	30,000	6,000	15,000	0/0
COACHELLA VALLEY - DESERT HOT SPRINGS	35,000	10,000	9,000	0/0
COACHELLA VALLEY - INDIO	25,000	1,000	1,000	4,000/1.3
COACHELLA VALLEY - MISSION CREEK	11,000	5,000	6,000	6,000/3.9
COACHELLA VALLEY - SAN GORGONIO PASS	400	40	0	400/0
COYOTE WELLS VALLEY	7,000	100	2,000	2,000/0
DARWIN VALLEY	12,000	2,000	11,000	0/0
DAVIES VALLEY	4,000	0	0	0/0
DEATH VALLEY	300	0	0	0/0
DEEP SPRINGS VALLEY	23,000	0	500	0/0
EAST SALTON SEA	1,000	0	0	0/0
EUREKA VALLEY	30,000	0	0	0/0
FISH LAKE VALLEY	42,000	0	0	0/0

Table R2.6-9
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 3

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
INDIAN WELLS VALLEY	500	300	400	200/0
JACUMBA VALLEY	40	0	0	0/0
KERN RIVER VALLEY	70	0	80	0/0
LEE FLAT	5,000	4,000	800	0/0
MASON VALLEY	10	0	10	10/0
MIDDLE PARK CANYON	50	0	0	0/0
OROCOPIA VALLEY	37,000	17,000	23,000	0/0
OWENS VALLEY	14,000	3,000	3,000	0/0
PANAMINT VALLEY	5,000	900	2,000	0/0
ROSE VALLEY	2,000	300	2,000	0/0
SALINE VALLEY	9,000	3,000	700	0/0
SANTA ROSA FLAT	15,000	5,000	2,000	0/0
SEARLES VALLEY	300	100	200	0/0
VALLECITO-CARRIZO VALLEY	2,000	0	2,000	0/0
Total	**353,000**	**73,000**	**101,000**	**13,000/5.2**

†These designations overlap.

Note: Data has been rounded; tables may not sum due to rounding.

Table R2.6-10
Estimated Acres of Groundwater Basins in Ecological and Cultural Conservation and Recreation Designations by Subarea –Alternative 3

Subarea	Groundwater Basins in Subarea (acres)	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	% in Conservation
Cadiz Valley and Chocolate Mountains	2,293,000	487,000	1,037,000	66%
Imperial Borrego Valley	2,161,000	303,000	412,000	33%
Kingston and Funeral Mountains	1,490,000	931,000	340,000	85%
Mojave and Silurian Valley	1,784,000	541,000	273,000	46%
Owens River Valley	381,000	28,000	74,000	27%
Panamint Death Valley	1,391,000	934,000	187,000	81%
Pinto Lucerne Valley and Eastern Slopes	1,268,000	239,000	190,000	34%
Piute Valley and Sacramento Mountains	589,000	128,000	295,000	72%
Providence and Bullion Mountains	1,646,000	656,000	524,000	72%
West Mojave and Eastern Slopes	2,754,000	79,000	535,000	22%
Total	**15,756,000**	**4,327,000**	**3,865,000**	52%

Note: Data has been rounded; tables may not sum due to rounding.

R2.6.6: Alternative 4

Table R2.6-11
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 4

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
ANTELOPE VALLEY	0	0	0	0/0
BLACK SPRINGS VALLEY	27,000	9,000	16,000	0/0
BORREGO VALLEY	3,000	0	300	0/0
BUCK RIDGE FAULT VALLEY	3,000	0	0	0/0
BUTTE VALLEY	20	0	0	0/0
CACTUS FLAT	7,000	4,000	4,000	0/0
CANEBRAKE VALLEY	0	0	0	0/0
CHOCOLATE VALLEY	30,000	6,000	15,000	0/0
COACHELLA VALLEY - DESERT HOT SPRINGS	35,000	9,000	9,000	0/0
COACHELLA VALLEY - INDIO	25,000	200	1,000	2,000/1.3
COACHELLA VALLEY - MISSION CREEK	11,000	4,000	6,000	3,000/3.9
COACHELLA VALLEY - SAN GORGONIO PASS	400	10	0	200/0
COYOTE WELLS VALLEY	7,000	200	2,000	0/0
DARWIN VALLEY	12,000	2,000	11,000	0/0
DAVIES VALLEY	4,000	0	0	0/0
DEATH VALLEY	300	0	0	0/0
DEEP SPRINGS VALLEY	23,000	0	500	0/0
EAST SALTON SEA	1,000	0	0	0/0
EUREKA VALLEY	30,000	4,000	0	0/0
FISH LAKE VALLEY	42,000	0	0	0/0

Table R2.6-11
Estimated Acres of Groundwater Basins in BLM LUPA Outside of DRECP Area –Alternative 4

Groundwater Basin	Groundwater Basins within BLM LUPA Lands Outside Plan Area (acres)	BLM LUPA Designation†		
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)
INDIAN WELLS VALLEY	500	100	400	100/0
JACUMBA VALLEY	40	0	0	0/0
KERN RIVER VALLEY	70	0	70	0/0
LEE FLAT	5,000	4,000	800	0/0
MASON VALLEY	10	0	10	0/0
MIDDLE PARK CANYON	50	0	50	0/0
OROCOPIA VALLEY	37,000	9,000	23,000	0/0
OWENS VALLEY	14,000	3,000	3,000	0/0
PANAMINT VALLEY	5,000	900	2,000	0/0
ROSE VALLEY	2,000	400	2,000	0/0
SALINE VALLEY	9,000	3,000	700	0/0
SANTA ROSA FLAT	15,000	5,000	2,000	0/0
SEARLES VALLEY	300	100	200	0/0
VALLECITO-CARRIZO VALLEY	2,000	0	2,000	0/0
Total	**353,000**	**64,000**	**100,000**	**5,000/5.2**

†These designations overlap.
Note: Data has been rounded; tables may not sum due to rounding.

Table R2.6-12
Estimated Acres of Groundwater Basins in Ecological and Cultural Conservation and Recreation Designations by Subarea –Alternative 4

Subarea	Groundwater Basins in Subarea (acres)	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	% in Conservation
Cadiz Valley and Chocolate Mountains	2,293,000	487,000	842,000	58%
Imperial Borrego Valley	2,161,000	303,000	299,000	28%
Kingston and Funeral Mountains	1,490,000	931,000	323,000	84%
Mojave and Silurian Valley	1,784,000	541,000	226,000	43%
Owens River Valley	381,000	28,000	64,000	24%
Panamint Death Valley	1,391,000	934,000	186,000	81%
Pinto Lucerne Valley and Eastern Slopes	1,268,000	239,000	162,000	32%
Piute Valley and Sacramento Mountains	589,000	128,000	294,000	72%
Providence and Bullion Mountains	1,646,000	656,000	478,000	69%
West Mojave and Eastern Slopes	2,754,000	79,000	537,000	22%
Total	**15,756,000**	**4,327,000**	**3,410,000**	**49%**

Note: Data has been rounded; tables may not sum due to rounding.

Appendix R2.7 Biological Resources

This appendix presents data supporting the analysis in Volume IV, Chapter IV.7. This appendix is organized as follows.

- Preferred Alternative Data Tables for Species Habitat and Natural Communities Impact and Conservation
- Alternative 1 Data Tables for Species Habitat and Natural Communities Impact and Conservation
- Alternative 2 Data Tables for Species Habitat and Natural Communities Impact and Conservation
- Alternative 3 Data Tables for Species Habitat and Natural Communities Impact and Conservation
- Alternative 4 Data Tables for Species Habitat and Natural Communities Impact and Conservation

Note on Rounding of Data

The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

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Table R.IV.7 - Preferred Alternative-1 BLM LUPA Species Habitat Impacts by Subarea						
Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Cadiz Valley and Chocolate Mountains	**9,893,000**	**60,000**	**9,000**	**0**	**50,000**	**119,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,169,000	3,000	400	0	3,000	6,000
Flat-tailed horned lizard	10	0	0	0	0	0
Mojave fringe-toed lizard	509,000	6,000	900	0	4,000	11,000
Bird						
Bendire's thrasher	53,000	200	20	0	100	300
Burrowing owl	203,000	3,000	400	0	3,000	7,000
California black rail	600	0	0	0	0	0
Gila woodpecker	9,000	60	10	0	0	70
Golden eagle–foraging	1,341,000	8,000	1,000	0	5,000	14,000
Golden eagle–nesting	437,000	300	40	0	900	1,000
Greater sandhill crane	30	0	0	0	1,000	1,000
Least Bell's vireo	3,000	0	0	0	0	0
Mountain plover	100	10	0	0	2,000	2,000
Western yellow-billed cuckoo	0	0	0	0	30	30
Yuma Ridgway's rail	10	0	0	0	0	0
Fish						
Desert pupfish	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	503,000	1,000	200	0	600	2,000
Bighorn sheep – mountain habitat	746,000	50	10	0	1,000	1,000
California leaf-nosed bat	1,294,000	12,000	2,000	0	9,000	23,000
Pallid bat	2,012,000	13,000	2,000	0	11,000	26,000
Townsend's big-eared bat	1,613,000	13,000	2,000	0	10,000	25,000
Imperial Borrego Valley	**2,897,000**	**35,000**	**100**	**23,000**	**43,000**	**101,000**
Amphibian/Reptile						
Agassiz's desert tortoise	72,000	0	0	0	100	100
Flat-tailed horned lizard	429,000	7,000	20	5,000	5,000	17,000
Bird						
Bendire's thrasher	29,000	400	0	200	500	1,000
Burrowing owl	387,000	6,000	10	4,000	10,000	19,000
California black rail	34,000	500	0	400	800	2,000
Gila woodpecker	28,000	0	0	0	200	300
Golden eagle–foraging	143,000	100	0	90	100	400
Golden eagle–nesting	35,000	0	0	0	30	30
Greater sandhill crane	2,000	70	0	40	6,000	6,000
Least Bell's vireo	2,000	0	0	0	20	20
Mountain plover	3,000	100	0	60	6,000	6,000
Southwestern willow flycatcher	11,000	50	0	30	1,000	1,000
Swainson's hawk	9,000	300	0	200	3,000	4,000
Tricolored blackbird	30	0	0	0	30	30
Western yellow-billed cuckoo	400	0	0	0	0	0
Yuma Ridgway's rail	5,000	0	0	0	10	20
Fish						
Desert pupfish	1,000	10	0	10	60	70
Mammal						
Bighorn sheep – inter-mountain habitat	24,000	0	0	0	0	0
Bighorn sheep – mountain habitat	99,000	0	0	0	100	100
California leaf-nosed bat	386,000	5,000	10	3,000	2,000	10,000
Pallid bat	617,000	8,000	20	5,000	4,000	17,000
Townsend's big-eared bat	581,000	8,000	30	5,000	4,000	17,000
Plant						
Little San Bernardino Mountains linanthus	90	0	0	0	0	0
Kingston and Funeral Mountains	**5,888,000**	**400**	**0**	**0**	**0**	**400**
Amphibian/Reptile						
Agassiz's desert tortoise	860,000	90	0	0	0	90
Mojave fringe-toed lizard	2,000	0	0	0	0	0
Bird						
Bendire's thrasher	149,000	0	0	0	0	0
Burrowing owl	48,000	50	0	0	0	50
Golden eagle–foraging	927,000	80	0	0	0	80
Golden eagle–nesting	364,000	0	0	0	0	0
Least Bell's vireo	22,000	0	0	0	0	0
Western yellow-billed cuckoo	4,000	0	0	0	0	0
Fish						
Mohave tui chub	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	232,000	0	0	0	0	0
Bighorn sheep – mountain habitat	578,000	0	0	0	0	0
California leaf-nosed bat	486,000	0	0	0	0	0
Pallid bat	1,121,000	100	0	0	0	100
Townsend's big-eared bat	1,096,000	50	0	0	0	50
Mojave and Silurian Valley	**5,281,000**	**2,000**	**0**	**0**	**6,000**	**8,000**
Amphibian/Reptile						
Agassiz's desert tortoise	661,000	300	0	0	1,000	1,000
Mojave fringe-toed lizard	37,000	40	0	0	200	200
Bird						
Bendire's thrasher	30,000	0	0	0	10	10
Burrowing owl	155,000	80	0	0	400	500
Golden eagle–foraging	721,000	100	0	0	600	700
Golden eagle–nesting	233,000	0	0	0	80	80
Least Bell's vireo	4,000	0	0	0	0	0
Southwestern willow flycatcher	10	0	0	0	0	0
Swainson's hawk	50	0	0	0	0	0
Tricolored blackbird	500	0	0	0	90	90
Western yellow-billed cuckoo	6,000	0	0	0	0	0
Fish						
Mohave tui chub	0	0	0	0	0	0
Mammal						

Bighorn sheep – inter-mountain habitat	470,000	60	0	0	400	400
Bighorn sheep – mountain habitat	178,000	0	0	0	40	40
California leaf-nosed bat	777,000	300	0	0	1,000	1,000
Mohave ground squirrel	180,000	0	0	0	100	100
Pallid bat	920,000	300	0	0	1,000	2,000
Townsend's big-eared bat	893,000	300	0	0	1,000	2,000
Plant						
Barstow woolly sunflower	80	0	0	0	0	0
Desert cymopterus	300	0	0	0	0	0
Mojave monkeyflower	14,000	0	0	0	20	20
Owens River Valley	**857,000**	**3,000**	**0**	**6,000**	**2,000**	**11,000**
Amphibian/Reptile						
Agassiz's desert tortoise	34,000	500	0	900	200	2,000
Bird						
Bendire's thrasher	600	0	0	10	0	10
Burrowing owl	33,000	200	0	300	200	700
California condor	5,000	30	0	60	20	100
Golden eagle–foraging	137,000	400	0	700	200	1,000
Golden eagle–nesting	18,000	10	0	20	10	50
Least Bell's vireo	900	0	0	10	0	10
Southwestern willow flycatcher	21,000	300	0	600	100	1,000
Swainson's hawk	54,000	200	0	300	100	700
Western yellow-billed cuckoo	6,000	0	0	0	0	0
Fish						
Owens pupfish	4,000	0	0	0	10	10
Owens tui chub	4,000	0	0	0	10	10
Mammal						
Bighorn sheep – inter-mountain habitat	12,000	50	0	80	20	100
Bighorn sheep – mountain habitat	61,000	0	0	0	40	40
Mohave ground squirrel	92,000	500	0	900	300	2,000
Pallid bat	169,000	500	0	900	400	2,000
Townsend's big-eared bat	142,000	400	0	800	400	2,000
Plant						
Alkali mariposa-lily	20	0	0	0	0	0
Mojave tarplant	8,000	30	0	50	30	100
Owens Valley checkerbloom	54,000	0	0	0	100	100
Panamint Death Valley	**1,726,000**	**6,000**	**0**	**0**	**0**	**6,000**
Amphibian/Reptile						
Agassiz's desert tortoise	159,000	300	0	0	0	300
Mojave fringe-toed lizard	0	0	0	0	0	0
Bird						
Bendire's thrasher	0	0	0	0	0	0
Burrowing owl	37,000	900	0	0	0	900
California condor	0	0	0	0	0	0
Golden eagle–foraging	220,000	20	0	0	0	20
Golden eagle–nesting	107,000	10	0	0	0	10
Least Bell's vireo	600	0	0	0	0	0
Swainson's hawk	10	0	0	0	0	0
Tricolored blackbird	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	247,000	2,000	0	0	0	2,000
Bighorn sheep – mountain habitat	142,000	60	0	0	0	60
California leaf-nosed bat	400	0	0	0	0	0
Mohave ground squirrel	115,000	1,000	0	0	0	1,000
Pallid bat	342,000	400	0	0	0	400
Townsend's big-eared bat	356,000	1,000	0	0	0	1,000
Plant						
Mojave monkeyflower	1,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**3,797,000**	**8,000**	**3,000**	**0**	**17,000**	**28,000**
Amphibian/Reptile						
Agassiz's desert tortoise	385,000	1,000	400	0	2,000	4,000
Mojave fringe-toed lizard	12,000	0	0	0	40	40
Bird						
Bendire's thrasher	157,000	400	100	0	900	1,000
Burrowing owl	166,000	1,000	400	0	2,000	4,000
California condor	1,000	0	0	0	40	40
Golden eagle–foraging	531,000	900	300	0	1,000	3,000
Golden eagle–nesting	340,000	40	10	0	600	700
Least Bell's vireo	17,000	10	0	0	50	50
Southwestern willow flycatcher	5,000	0	0	0	70	70
Swainson's hawk	0	0	0	0	0	0
Tricolored blackbird	8,000	0	0	0	50	50
Western yellow-billed cuckoo	800	0	0	0	10	10
Mammal						
Bighorn sheep – inter-mountain habitat	64,000	200	70	0	300	600
Bighorn sheep – mountain habitat	505,000	300	100	0	2,000	2,000
California leaf-nosed bat	103,000	0	0	0	30	30
Mohave ground squirrel	6,000	100	30	0	900	1,000
Pallid bat	640,000	2,000	500	0	3,000	5,000
Townsend's big-eared bat	602,000	2,000	500	0	3,000	5,000
Plant						
Alkali mariposa-lily	1,000	20	10	0	40	70
Little San Bernardino Mountains linanthus	74,000	200	60	0	100	400
Mojave monkeyflower	90,000	20	10	0	100	100
Mojave tarplant	500	0	0	0	10	10
Parish's daisy	85,000	200	70	0	300	600
Triple-ribbed milk-vetch	5,000	0	0	0	0	0
Piute Valley and Sacramento Mountains	**4,059,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	719,000	0	0	0	0	0
Mojave fringe-toed lizard	50	0	0	0	0	0
Bird						
Bendire's thrasher	122,000	0	0	0	0	0
Burrowing owl	2,000	0	0	0	0	0

California black rail	40	0	0	0	0	0
Gila woodpecker	0	0	0	0	0	0
Golden eagle–foraging	700,000	0	0	0	0	0
Golden eagle–nesting	294,000	0	0	0	0	0
Least Bell's vireo	4,000	0	0	0	0	0
Western yellow-billed cuckoo	200	0	0	0	0	0
Yuma Ridgway's rail	10	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	105,000	0	0	0	0	0
Bighorn sheep – mountain habitat	491,000	0	0	0	0	0
California leaf-nosed bat	349,000	0	0	0	0	0
Pallid bat	893,000	0	0	0	0	0
Townsend's big-eared bat	380,000	0	0	0	0	0
Providence and Bullion Mountains	**7,484,000**	**3,000**	**0**	**0**	**2,000**	**4,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,045,000	300	0	0	300	600
Mojave fringe-toed lizard	167,000	300	0	0	200	500
Bird						
Bendire's thrasher	150,000	0	0	0	0	0
Burrowing owl	155,000	300	0	0	200	500
Golden eagle–foraging	928,000	200	0	0	100	300
Golden eagle–nesting	399,000	40	0	0	10	40
Greater sandhill crane	0	0	0	0	0	0
Least Bell's vireo	5,000	0	0	0	0	0
Tricolored blackbird	0	0	0	0	0	0
Western yellow-billed cuckoo	200	10	0	0	0	10
Mammal						
Bighorn sheep – inter-mountain habitat	318,000	300	0	0	70	300
Bighorn sheep – mountain habitat	741,000	0	0	0	0	0
California leaf-nosed bat	1,026,000	300	0	0	200	500
Pallid bat	1,364,000	300	0	0	300	600
Townsend's big-eared bat	1,185,000	600	0	0	300	900
Plant						
Mojave monkeyflower	0	0	0	0	0	0
West Mojave and Eastern Slopes	**4,736,000**	**41,000**	**2,000**	**0**	**9,000**	**51,000**
Amphibian/Reptile						
Agassiz's desert tortoise	583,000	4,000	100	0	1,000	6,000
Mojave fringe-toed lizard	600	0	0	0	0	0
Tehachapi slender salamander	7,000	10	0	0	0	10
Bird						
Bendire's thrasher	95,000	500	30	0	0	500
Burrowing owl	472,000	5,000	200	0	2,000	7,000
California condor	232,000	3,000	200	0	900	4,000
Golden eagle–foraging	505,000	3,000	100	0	300	3,000
Golden eagle–nesting	168,000	1,000	60	0	90	1,000
Least Bell's vireo	9,000	20	0	0	0	20
Mountain plover	3,000	200	10	0	100	300
Southwestern willow flycatcher	10,000	10	0	0	40	50
Swainson's hawk	47,000	2,000	100	0	900	3,000
Tricolored blackbird	4,000	200	10	0	100	400
Western yellow-billed cuckoo	500	0	0	0	0	0
Yuma Ridgway's rail	50	0	0	0	0	0
Fish						
Mohave tui chub	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	205,000	800	40	0	50	900
Bighorn sheep – mountain habitat	5,000	0	0	0	100	100
California leaf-nosed bat	2,000	0	0	0	0	0
Mohave ground squirrel	577,000	5,000	200	0	900	6,000
Pallid bat	746,000	5,000	200	0	1,000	7,000
Townsend's big-eared bat	710,000	6,000	200	0	1,000	7,000
Plant						
Alkali mariposa-lily	300	20	0	0	80	100
Bakersfield cactus	77,000	2,000	90	0	50	2,000
Barstow woolly sunflower	73,000	900	0	0	40	900
Desert cymopterus	66,000	300	0	0	30	300
Mojave monkeyflower	9,000	200	0	0	0	200
Mojave tarplant	127,000	900	50	0	70	1,000
Owens Valley checkerbloom	300	10	0	0	0	10
Parish's daisy	40	0	0	0	0	0

Table R.IV.7 - Preferred Alternative-2 Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**9,892,950**						
Amphibian/Reptile							
Agassiz's desert tortoise	1,169,000	395,000	526,000	135,000	0	1,056,000	90%
Flat-tailed horned lizard	10	0	0	0	0	0	0%
Mojave fringe-toed lizard	509,000	145,000	205,000	80,000	0	430,000	85%
Bird							
Bendire's thrasher	53,000	9,000	28,000	6,000	0	43,000	81%
Burrowing owl	203,000	18,000	114,000	35,000	0	167,000	82%
California black rail	600	100	200	0	0	300	44%
Gila woodpecker	9,000	500	6,000	0	0	7,000	72%
Golden eagle–foraging	1,341,000	551,000	494,000	113,000	0	1,158,000	86%
Golden eagle–nesting	437,000	267,000	104,000	30,000	0	401,000	92%
Greater sandhill crane	30	0	0	0	0	0	1%
Least Bell's vireo	3,000	600	2,000	10	0	3,000	95%
Mountain plover	100	0	20	0	0	30	25%
Western yellow-billed cuckoo	0	0	0	0	0	0	55%
Yuma Ridgway's rail	10	0	0	0	0	0	0%
Fish							
Desert pupfish	200	0	200	0	0	200	95%
Mammal							
Bighorn sheep – inter-mountain habitat	503,000	196,000	189,000	63,000	0	447,000	89%
Bighorn sheep – mountain habitat	746,000	391,000	282,000	23,000	0	697,000	93%
California leaf-nosed bat	1,294,000	386,000	490,000	199,000	0	1,075,000	83%
Pallid bat	2,012,000	707,000	788,000	242,000	0	1,737,000	86%
Townsend's big-eared bat	1,613,000	488,000	615,000	259,000	0	1,362,000	84%
Imperial Borrego Valley							
Amphibian/Reptile							
Agassiz's desert tortoise	72,000	3,000	60,000	200	0	63,000	87%
Flat-tailed horned lizard	429,000	35,000	225,000	12,000	0	271,000	63%
Bird							
Bendire's thrasher	29,000	40	10,000	900	0	11,000	37%
Burrowing owl	387,000	13,000	193,000	10,000	0	215,000	56%
California black rail	34,000	1,000	7,000	1,000	0	9,000	27%
Gila woodpecker	28,000	200	23,000	100	0	23,000	83%
Golden eagle–foraging	143,000	13,000	97,000	1,000	0	110,000	77%
Golden eagle–nesting	35,000	11,000	19,000	300	0	30,000	87%
Greater sandhill crane	2,000	0	600	0	0	600	27%
Least Bell's vireo	2,000	300	1,000	30	0	2,000	73%
Mountain plover	3,000	0	600	100	0	700	24%
Southwestern willow flycatcher	11,000	0	2,000	300	0	3,000	25%
Swainson's hawk	9,000	20	200	100	0	300	4%
Tricolored blackbird	30	0	0	0	0	0	0%
Western yellow-billed cuckoo	400	0	10	0	0	10	2%
Yuma Ridgway's rail	5,000	20	1,000	50	0	1,000	24%
Fish							
Desert pupfish	1,000	20	90	0	0	100	11%
Mammal							
Bighorn sheep – inter-mountain habitat	24,000	0	21,000	90	0	21,000	90%
Bighorn sheep – mountain habitat	99,000	21,000	60,000	1,000	0	83,000	84%
California leaf-nosed bat	386,000	13,000	227,000	3,000	0	243,000	63%
Pallid bat	617,000	32,000	353,000	13,000	0	398,000	64%
Townsend's big-eared bat	581,000	20,000	290,000	12,000	0	322,000	55%
Plant							
Little San Bernardino Mountains linanthus	90	0	80	0	0	80	95%
Kingston and Funeral Mountains							
Amphibian/Reptile							
Agassiz's desert tortoise	860,000	424,000	323,000	34,000	0	781,000	91%
Mojave fringe-toed lizard	2,000	2,000	0	0	0	2,000	91%
Bird							
Bendire's thrasher	149,000	49,000	65,000	19,000	0	133,000	89%
Burrowing owl	48,000	11,000	22,000	3,000	0	37,000	76%
Golden eagle–foraging	927,000	530,000	296,000	29,000	0	855,000	92%
Golden eagle–nesting	364,000	235,000	88,000	13,000	0	337,000	93%
Least Bell's vireo	22,000	10,000	7,000	1,000	0	19,000	85%
Western yellow-billed cuckoo	4,000	2,000	2,000	0	0	4,000	94%
Mammal							
Bighorn sheep – inter-mountain habitat	232,000	141,000	73,000	3,000	0	218,000	94%
Bighorn sheep – mountain habitat	578,000	343,000	173,000	19,000	0	535,000	93%
California leaf-nosed bat	486,000	232,000	168,000	43,000	0	443,000	91%
Pallid bat	1,121,000	584,000	389,000	46,000	0	1,018,000	91%
Townsend's big-eared bat	1,096,000	548,000	389,000	49,000	0	986,000	90%
Mojave and Silurian Valley							
Amphibian/Reptile							
Agassiz's desert tortoise	661,000	253,000	119,000	217,000	0	589,000	89%
Mojave fringe-toed lizard	37,000	6,000	11,000	13,000	0	30,000	82%
Bird							
Bendire's thrasher	30,000	8,000	4,000	11,000	0	24,000	79%
Burrowing owl	155,000	23,000	30,000	87,000	0	140,000	90%
Golden eagle–foraging	721,000	352,000	132,000	169,000	0	653,000	90%
Golden eagle–nesting	233,000	137,000	22,000	41,000	0	201,000	86%
Least Bell's vireo	4,000	500	20	2,000	0	2,000	63%
Southwestern willow flycatcher	10	0	0	0	0	0	0%
Swainson's hawk	50	20	0	10	0	30	62%

Tricolored blackbird	500	0	0	400	0	400	85%
Western yellow-billed cuckoo	6,000	600	800	2,000	0	4,000	61%
Mammal							
Bighorn sheep – inter-mountain habitat	470,000	239,000	87,000	95,000	0	421,000	90%
Bighorn sheep – mountain habitat	178,000	119,000	37,000	3,000	0	159,000	89%
California leaf-nosed bat	777,000	321,000	151,000	215,000	0	687,000	88%
Mohave ground squirrel	180,000	41,000	35,000	89,000	0	165,000	92%
Pallid bat	920,000	419,000	173,000	228,000	0	820,000	89%
Townsend's big-eared bat	893,000	396,000	166,000	232,000	0	794,000	89%
Plant							
Barstow woolly sunflower	80	60	10	10	0	80	95%
Desert cymopterus	300	300	0	0	0	300	95%
Mojave monkeyflower	14,000	5,000	7,000	1,000	0	14,000	94%
Owens River Valley							
Amphibian/Reptile							
Agassiz's desert tortoise	34,000	2,000	12,000	2,000	0	16,000	47%
Bird							
Bendire's thrasher	600	200	300	0	0	500	76%
Burrowing owl	33,000	1,000	10,000	6,000	0	18,000	54%
California condor	5,000	2,000	3,000	0	0	4,000	83%
Golden eagle–foraging	137,000	27,000	29,000	5,000	0	61,000	44%
Golden eagle–nesting	18,000	3,000	2,000	0	0	5,000	30%
Least Bell's vireo	900	300	50	60	0	400	45%
Southwestern willow flycatcher	21,000	2,000	7,000	1,000	0	10,000	45%
Swainson's hawk	54,000	5,000	9,000	4,000	0	18,000	33%
Western yellow-billed cuckoo	6,000	1,000	0	300	0	1,000	23%
Fish							
Owens pupfish	4,000	600	600	50	0	1,000	33%
Owens tui chub	4,000	600	600	50	0	1,000	33%
Mammal							
Bighorn sheep – inter-mountain habitat	12,000	6,000	5,000	10	0	11,000	89%
Bighorn sheep – mountain habitat	61,000	10,000	4,000	900	0	16,000	26%
Mohave ground squirrel	92,000	15,000	17,000	9,000	0	41,000	44%
Pallid bat	169,000	28,000	38,000	8,000	0	74,000	44%
Townsend's big-eared bat	142,000	22,000	38,000	9,000	0	69,000	48%
Plant							
Alkali mariposa-lily	20	0	10	0	0	20	95%
Mojave tarplant	8,000	600	4,000	100	0	5,000	63%
Owens Valley checkerbloom	54,000	12,000	2,000	2,000	0	17,000	31%
Panamint Death Valley							
Amphibian/Reptile							
Agassiz's desert tortoise	159,000	21,000	49,000	70,000	0	140,000	88%
Bird							
Bendire's thrasher	0	0	0	0	0	0	95%
Burrowing owl	37,000	2,000	12,000	6,000	0	20,000	54%
Golden eagle–foraging	220,000	43,000	93,000	69,000	0	205,000	93%
Golden eagle–nesting	107,000	21,000	40,000	37,000	0	98,000	92%
Least Bell's vireo	600	20	500	20	0	500	91%
Swainson's hawk	10	0	0	10	0	10	95%
Tricolored blackbird	0	0	0	0	0	0	95%
Mammal							
Bighorn sheep – inter-mountain habitat	247,000	30,000	95,000	69,000	0	194,000	79%
Bighorn sheep – mountain habitat	142,000	25,000	81,000	26,000	0	132,000	92%
California leaf-nosed bat	400	300	0	100	0	400	91%
Mohave ground squirrel	115,000	6,000	19,000	60,000	0	86,000	75%
Pallid bat	342,000	56,000	159,000	94,000	0	310,000	91%
Townsend's big-eared bat	356,000	53,000	160,000	95,000	0	308,000	86%
Plant							
Mojave monkeyflower	1,000	200	10	400	0	600	60%
Pinto Lucerne Valley and Eastern Slopes							
Amphibian/Reptile							
Agassiz's desert tortoise	385,000	59,000	176,000	53,000	0	287,000	75%
Mojave fringe-toed lizard	12,000	3,000	7,000	1,000	0	11,000	89%
Bird							
Bendire's thrasher	157,000	34,000	47,000	43,000	0	124,000	79%
Burrowing owl	166,000	10,000	71,000	27,000	0	108,000	65%
California condor	1,000	0	0	1,000	0	1,000	95%
Golden eagle–foraging	531,000	155,000	209,000	83,000	0	447,000	84%
Golden eagle–nesting	340,000	126,000	109,000	56,000	0	291,000	86%
Least Bell's vireo	17,000	9,000	3,000	2,000	0	14,000	85%
Southwestern willow flycatcher	5,000	1,000	1,000	2,000	0	4,000	93%
Swainson's hawk	0	0	0	0	0	0	95%
Tricolored blackbird	8,000	4,000	2,000	2,000	0	8,000	92%
Western yellow-billed cuckoo	800	0	800	30	0	800	95%
Mammal							
Bighorn sheep – inter-mountain habitat	64,000	700	25,000	8,000	0	34,000	53%
Bighorn sheep – mountain habitat	505,000	154,000	206,000	77,000	0	437,000	87%
California leaf-nosed bat	103,000	24,000	60,000	1,000	0	85,000	83%
Mohave ground squirrel	6,000	0	300	1,000	0	1,000	25%
Pallid bat	640,000	158,000	257,000	94,000	0	510,000	80%
Townsend's big-eared bat	602,000	136,000	248,000	90,000	0	474,000	79%
Plant							
Alkali mariposa-lily	1,000	0	700	0	0	700	57%
Little San Bernardino Mountains linanthus	74,000	6,000	28,000	5,000	0	39,000	53%
Mojave monkeyflower	90,000	17,000	49,000	18,000	0	85,000	94%
Mojave tarplant	500	300	100	10	0	500	91%
Parish's daisy	85,000	34,000	28,000	8,000	0	71,000	83%

Triple-ribbed milk-vetch	5,000	4,000	0	0	0	4,000	87%
Piute Valley and Sacramento Mountains							
Amphibian/Reptile							
Agassiz's desert tortoise	719,000	236,000	385,000	4,000	0	625,000	87%
Mojave fringe-toed lizard	50	0	0	0	0	0	0%
Bird							
Bendire's thrasher	122,000	61,000	44,000	2,000	0	107,000	88%
Burrowing owl	2,000	50	1,000	0	0	1,000	75%
California black rail	40	30	0	0	0	30	88%
Golden eagle–foraging	700,000	337,000	261,000	4,000	0	602,000	86%
Golden eagle–nesting	294,000	218,000	39,000	2,000	0	259,000	88%
Least Bell's vireo	4,000	600	3,000	0	0	4,000	92%
Western yellow-billed cuckoo	200	100	60	0	0	200	92%
Yuma Ridgway's rail	10	10	0	0	0	10	95%
Mammal							
Bighorn sheep – inter-mountain habitat	105,000	19,000	66,000	2,000	0	87,000	83%
Bighorn sheep – mountain habitat	491,000	308,000	113,000	2,000	0	423,000	86%
California leaf-nosed bat	349,000	85,000	194,000	1,000	0	280,000	80%
Pallid bat	893,000	370,000	396,000	5,000	0	770,000	86%
Townsend's big-eared bat	380,000	94,000	215,000	1,000	0	310,000	81%
Providence and Bullion Mountains							
Amphibian/Reptile							
Agassiz's desert tortoise	1,045,000	443,000	468,000	45,000	0	956,000	91%
Mojave fringe-toed lizard	167,000	59,000	54,000	16,000	0	128,000	77%
Bird							
Bendire's thrasher	150,000	67,000	71,000	700	0	138,000	92%
Burrowing owl	155,000	42,000	54,000	12,000	0	109,000	70%
Golden eagle–foraging	928,000	457,000	386,000	14,000	0	858,000	92%
Golden eagle–nesting	399,000	273,000	94,000	6,000	0	373,000	93%
Least Bell's vireo	5,000	3,000	2,000	0	0	5,000	94%
Western yellow-billed cuckoo	200	0	0	0	0	0	0%
Mammal							
Bighorn sheep – inter-mountain habitat	318,000	91,000	187,000	9,000	0	287,000	90%
Bighorn sheep – mountain habitat	741,000	448,000	233,000	14,000	0	694,000	94%
California leaf-nosed bat	1,026,000	376,000	494,000	41,000	0	911,000	89%
Pallid bat	1,364,000	584,000	585,000	49,000	0	1,218,000	89%
Townsend's big-eared bat	1,185,000	494,000	488,000	49,000	0	1,031,000	87%
Plant							
Mojave monkeyflower	0	0	0	0	0	0	95%
West Mojave and Eastern Slopes							
Amphibian/Reptile							
Agassiz's desert tortoise	583,000	30,000	110,000	333,000	0	473,000	81%
Mojave fringe-toed lizard	600	70	0	30	0	90	17%
Tehachapi slender salamander	7,000	0	700	500	5,000	6,000	83%
Bird							
Bendire's thrasher	95,000	37,000	31,000	13,000	0	81,000	86%
Burrowing owl	472,000	22,000	80,000	264,000	100	366,000	78%
California condor	232,000	36,000	72,000	43,000	17,000	168,000	72%
Golden eagle–foraging	505,000	70,000	130,000	212,000	16,000	428,000	85%
Golden eagle–nesting	168,000	40,000	48,000	25,000	17,000	130,000	77%
Least Bell's vireo	9,000	3,000	2,000	800	1,000	7,000	77%
Mountain plover	3,000	80	500	900	0	2,000	46%
Southwestern willow flycatcher	10,000	3,000	2,000	700	3,000	8,000	78%
Swainson's hawk	47,000	1,000	4,000	15,000	0	20,000	42%
Tricolored blackbird	4,000	70	200	600	100	1,000	26%
Western yellow-billed cuckoo	500	0	0	50	0	50	10%
Yuma Ridgway's rail	50	0	0	40	0	40	70%
Mammal							
Bighorn sheep – inter-mountain habitat	205,000	62,000	62,000	47,000	1,000	173,000	84%
Bighorn sheep – mountain habitat	5,000	0	500	800	0	1,000	26%
California leaf-nosed bat	2,000	700	400	800	0	2,000	89%
Mohave ground squirrel	577,000	41,000	105,000	322,000	0	468,000	81%
Pallid bat	746,000	82,000	168,000	338,000	17,000	606,000	81%
Townsend's big-eared bat	710,000	77,000	157,000	310,000	17,000	561,000	79%
Plant							
Alkali mariposa-lily	300	0	0	0	0	0	0%
Bakersfield cactus	77,000	3,000	26,000	23,000	3,000	55,000	71%
Barstow woolly sunflower	73,000	300	400	56,000	0	57,000	78%
Desert cymopterus	66,000	3,000	1,000	52,000	0	57,000	86%
Mojave monkeyflower	9,000	100	2,000	5,000	0	7,000	82%
Mojave tarplant	127,000	28,000	43,000	28,000	4,000	102,000	80%
Owens Valley checkerbloom	300	0	200	60	0	300	79%
Parish's daisy	40	0	0	0	0	0	0%

Table R.IV.7 - Preferred Alternative-3 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Cadiz Valley and Chocolate Mountains	**2,149,000**	**16,000**	**2,000**	**0**	**13,000**	**32,000**
Desert outcrop and badlands	492,000	4,000	600	0	2,000	7,000
North American warm desert bedrock cliff and outcrop	492,000	4,000	600	0	2,000	7,000
Desert Scrub	1,334,000	12,000	2,000	0	9,000	22,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	2,000	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,319,000	11,000	2,000	0	9,000	22,000
Shadscale - saltbush cool semi-desert scrub	11,000	400	60	0	60	500
Dunes	21,000	0	0	0	0	0
North American warm desert dunes and sand flats	21,000	0	0	0	0	0
Grassland	2,000	0	0	0	200	200
California Annual and Perennial Grassland	2,000	0	0	0	200	200
California annual forb/grass vegetation	0	0	0	0	0	0
Riparian	252,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	165,000	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	85,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	44,000	200	30	0	100	400
Developed and Disturbed Areas	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	13,000	50	10	0	60	100
Open Water	10	0	0	0	0	0
Playa	25,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	6,000	200	30	0	50	300
Wetland	30	0	0	0	30	30
Other Land Cover	5,000	20	0	0	2,000	2,000
Agriculture	100	10	0	0	2,000	2,000
Developed and Disturbed Areas	5,000	20	0	0	300	300
Rural	80	0	0	0	50	50
Imperial Borrego Valley	**755,000**	**9,000**	**30**	**6,000**	**12,000**	**27,000**
Chaparral and coastal scrub community (Cismontane scrub)	0	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	0	0	0	0	0	0
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	94,000	400	0	300	1,000	2,000
North American warm desert bedrock cliff and outcrop	94,000	400	0	300	1,000	2,000
Desert Scrub	337,000	7,000	20	5,000	3,000	15,000
Arizonan upland Sonoran desert scrub	100	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	329,000	7,000	20	5,000	3,000	14,000
Mojave and Great Basin upper bajada and toeslope	0	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	8,000	300	0	200	200	800
Dunes	67,000	0	0	0	0	0
North American warm desert dunes and sand flats	67,000	0	0	0	0	0
Grassland	10	0	0	0	0	0
California Annual and Perennial Grassland	10	0	0	0	0	0
Riparian	178,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	0	0	0	0	0
Mojavean semi-desert wash scrub	200	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	8,000	0	0	0	0	0
Wetland	67,000	900	10	600	1,000	3,000
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	0	0	0	0
Open Water	67,000	900	10	600	1,000	3,000
Playa	50	0	0	0	0	0
Southwestern North American salt basin and high marsh	0	0	0	0	0	0
Other Land Cover	12,000	300	0	200	7,000	8,000
Agriculture	6,000	200	0	100	6,000	6,000
Developed and Disturbed Areas	3,000	50	0	30	400	500
Not Mapped	800	0	0	0	0	0
Rural	2,000	80	0	50	600	700
Kingston and Funeral Mountains	**1,182,000**	**100**	**0**	**0**	**0**	**100**
Desert conifer woodlands	10,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	10,000	0	0	0	0	0
Desert outcrop and badlands	11,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	11,000	0	0	0	0	0
Desert Scrub	1,056,000	100	0	0	0	100
Intermontane deep or well-drained soil scrub	1,000	0	0	0	0	0
Intermontane seral shrubland	0	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	241,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	27,000	100	0	0	0	100
Dunes	14,000	0	0	0	0	0
North American warm desert dunes and sand flats	14,000	0	0	0	0	0
Riparian	41,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	39,000	0	0	0	0	0
Mojavean semi-desert wash scrub	300	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	0	0	0	0	0
Wetland	47,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	0	0	0	0	0
Playa	0	0	0	0	0	0
Southwestern North American salt basin and high marsh	20,000	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Mojave and Silurian Valley	**966,000**	**300**	**0**	**0**	**1,000**	**2,000**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	3,000	0	0	0	0	0

Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	11,000	10	0	0	10	20
North American warm desert bedrock cliff and outcrop	11,000	10	0	0	10	20
Desert Scrub	878,000	300	0	0	1,000	1,000
Intermontane deep or well-drained soil scrub	17,000	0	0	0	20	20
Intermontane seral shrubland	800	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	819,000	300	0	0	1,000	1,000
Mojave and Great Basin upper bajada and toeslope	24,000	0	0	0	10	10
Shadscale - saltbush cool semi-desert scrub	18,000	40	0	0	10	50
Southern Great Basin semi-desert grassland	40	0	0	0	0	0
Dunes	11,000	0	0	0	0	0
North American warm desert dunes and sand flats	11,000	0	0	0	0	0
Grassland	4,000	0	0	0	20	20
California Annual and Perennial Grassland	4,000	0	0	0	20	20
California annual forb/grass vegetation	300	0	0	0	0	0
Riparian	25,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	0	0	0	0	0
Mojavean semi-desert wash scrub	4,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	400	0	0	0	0	0
Wetland	32,000	0	0	0	60	60
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	0	0	0	20	20
Southwestern North American salt basin and high marsh	8,000	0	0	0	30	40
Wetland	0	0	0	0	10	10
Other Land Cover	1,000	10	0	0	100	100
Agriculture	10	0	0	0	50	60
Developed and Disturbed Areas	1,000	10	0	0	50	60
Owens River Valley	**187,000**	**500**	**0**	**1,000**	**400**	**2,000**
California forest and woodland	20	0	0	0	0	0
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	0	0	0	0	0	0
Desert conifer woodlands	100	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	100	0	0	0	0	0
Desert outcrop and badlands	32,000	50	0	100	20	200
North American warm desert bedrock cliff and outcrop	32,000	50	0	100	20	200
Desert Scrub	136,000	500	0	800	400	2,000
Intermontane deep or well-drained soil scrub	200	0	0	0	0	0
Intermontane seral shrubland	800	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	100,000	300	0	600	200	1,000
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	100	0	200	20	400
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	100	100
Dunes	4,000	0	0	0	0	0
North American warm desert dunes and sand flats	4,000	0	0	0	0	0
Riparian	1,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	13,000	0	0	0	10	10
Arid West freshwater emergent marsh	10	0	0	0	0	0
Open Water	10	0	0	0	10	10
Playa	200	0	0	0	0	0
Southwestern North American salt basin and high marsh	12,000	0	0	0	0	0
Other Land Cover	2,000	0	0	0	20	20
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	1,000	0	0	0	10	10
Not Mapped	10	0	0	0	0	0
Rural	400	0	0	0	0	10
Panamint Death Valley	**399,000**	**2,000**	**0**	**0**	**0**	**2,000**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	900	0	0	0	0	0
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	8,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	8,000	0	0	0	0	0
Desert Scrub	332,000	400	0	0	0	400
Intermontane deep or well-drained soil scrub	13,000	0	0	0	0	0
Intermontane seral shrubland	30	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	0	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	303,000	200	0	0	0	200
Mojave and Great Basin upper bajada and toeslope	5,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	11,000	200	0	0	0	200
Dunes	2,000	0	0	0	0	0
North American warm desert dunes and sand flats	2,000	0	0	0	0	0
Grassland	50	0	0	0	0	0
California Annual and Perennial Grassland	50	0	0	0	0	0
Riparian	6,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	0	0	0	0	0
Mojavean semi-desert wash scrub	1,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	0	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	10	0	0	0	0	0
Wetland	34,000	1,000	0	0	0	1,000
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	300	0	0	0	300
Southwestern North American salt basin and high marsh	13,000	600	0	0	0	600
Other Land Cover	17,000	1,000	0	0	0	1,000
Developed and Disturbed Areas	17,000	1,000	0	0	0	1,000
Not Mapped	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**658,000**	**2,000**	**500**	**0**	**4,000**	**6,000**
California forest and woodland	25,000	0	0	0	30	30
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	25,000	0	0	0	30	30
Chaparral and coastal scrub community (Cismontane scrub)	9,000	30	10	0	100	200

Californian xeric chaparral	3,000	0	0	0	0	0
Central and south coastal California seral scrub	20	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	6,000	30	10	0	100	200
Western Mojave and Western Sonoran Desert borderland chaparral	100	0	0	0	0	0
Desert conifer woodlands	20,000	50	10	0	100	200
Great Basin Pinyon - Juniper Woodland	20,000	50	10	0	100	200
Desert outcrop and badlands	27,000	0	0	0	20	20
North American warm desert bedrock cliff and outcrop	27,000	0	0	0	20	20
Desert Scrub	540,000	1,000	400	0	3,000	4,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	26,000	20	10	0	50	80
Intermontane seral shrubland	4,000	20	10	0	50	80
Inter-Mountain Dry Shrubland and Grassland	24,000	0	0	0	30	30
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	402,000	1,000	400	0	2,000	4,000
Mojave and Great Basin upper bajada and toeslope	82,000	100	30	0	300	400
Shadscale - saltbush cool semi-desert scrub	400	10	0	0	50	50
Dunes	900	0	0	0	0	0
North American warm desert dunes and sand flats	900	0	0	0	0	0
Grassland	19,000	10	0	0	200	200
California Annual and Perennial Grassland	19,000	10	0	0	200	200
California annual forb/grass vegetation	10	0	0	0	0	0
Riparian	11,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Riparian	0	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	3,000	200	50	0	100	300
Arid West freshwater emergent marsh	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	2,000	100	40	0	40	200
Southwestern North American salt basin and high marsh	1,000	30	10	0	60	100
Wetland	0	0	0	0	0	0
Other Land Cover	3,000	0	0	0	500	500
Agriculture	0	0	0	0	50	50
Developed and Disturbed Areas	3,000	0	0	0	400	400
Rural	30	0	0	0	0	0
Piute Valley and Sacramento Mountains	**893,000**	**0**	**0**	**0**	**0**	**0**
Desert outcrop and badlands	400,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	400,000	0	0	0	0	0
Desert Scrub	418,000	0	0	0	0	0
Arizonan upland Sonoran desert scrub	600	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	416,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	0	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	1,000	0	0	0	0	0
Dunes	60	0	0	0	0	0
North American warm desert dunes and sand flats	60	0	0	0	0	0
Riparian	71,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	40	0	0	0	0	0
Wetland	400	0	0	0	0	0
Playa	400	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Not Mapped	0	0	0	0	0	0
Rural	10	0	0	0	0	0
Providence and Bullion Mountains	**1,408,000**	**600**	**0**	**0**	**400**	**1,000**
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	118,000	10	0	0	50	60
North American warm desert bedrock cliff and outcrop	118,000	10	0	0	50	60
Desert Scrub	1,192,000	300	0	0	200	500
Intermontane seral shrubland	0	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	18,000	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,129,000	300	0	0	200	500
Mojave and Great Basin upper bajada and toeslope	35,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	9,000	20	0	0	30	60
Dunes	8,000	0	0	0	0	0
North American warm desert dunes and sand flats	8,000	0	0	0	0	0
Riparian	49,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	48,000	0	0	0	0	0
Mojavean semi-desert wash scrub	100	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	700	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	38,000	300	0	0	60	400
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	300	0	0	60	400
Southwestern North American salt basin and high marsh	70	0	0	0	0	0
Wetland	0	0	0	0	0	0
Other Land Cover	2,000	0	0	0	20	20
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	20	20
Not Mapped	0	0	0	0	0	0
West Mojave and Eastern Slopes	**817,000**	**8,000**	**300**	**0**	**2,000**	**10,000**
California forest and woodland	20,000	70	0	0	0	80
Californian broadleaf forest and woodland	10,000	40	0	0	0	40
Californian montane conifer forest	9,000	30	0	0	0	40
Chaparral and coastal scrub community (Cismontane scrub)	7,000	300	20	0	80	400
Californian mesic chaparral	500	0	0	0	0	0
Californian pre-montane chaparral	300	0	0	0	0	0
Californian xeric chaparral	2,000	10	0	0	20	20
Central and south coastal California seral scrub	0	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	4,000	300	20	0	40	300
Western Mojave and Western Sonoran Desert borderland chaparral	60	0	0	0	20	20

Desert conifer woodlands	20,000	300	20	0	70	400
Great Basin Pinyon - Juniper Woodland	20,000	300	20	0	70	400
Desert outcrop and badlands	2,000	0	0	0	10	10
North American warm desert bedrock cliff and outcrop	2,000	0	0	0	10	10
Desert Scrub	679,000	5,000	100	0	1,000	6,000
Intermontane deep or well-drained soil scrub	8,000	10	0	0	20	30
Intermontane seral shrubland	100	10	0	0	60	60
Inter-Mountain Dry Shrubland and Grassland	140,000	900	60	0	20	1,000
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	30	0	0	0	30
Lower Bajada and Fan Mojavean - Sonoran desert scrub	495,000	4,000	60	0	800	4,000
Mojave and Great Basin upper bajada and toeslope	18,000	100	10	0	100	200
Shadscale - saltbush cool semi-desert scrub	2,000	0	0	0	20	30
Southern Great Basin semi-desert grassland	0	0	0	0	0	0
Dunes	700	0	0	0	0	0
North American warm desert dunes and sand flats	700	0	0	0	0	0
Grassland	4,000	200	10	0	100	300
California Annual and Perennial Grassland	4,000	100	10	0	100	200
California annual forb/grass vegetation	800	70	0	0	0	70
Riparian	4,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Riparian	0	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	400	0	0	0	0	0
Southwestern North American riparian/wash scrub	600	0	0	0	0	0
Wetland	78,000	2,000	90	0	50	2,000
Arid West freshwater emergent marsh	0	0	0	0	0	0
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	1,000	80	0	10	1,000
Open Water	0	0	0	0	0	0
Southwestern North American salt basin and high marsh	60,000	700	10	0	40	700
Wetland	100	20	0	0	0	20
Other Land Cover	3,000	30	0	0	400	400
Agriculture	20	0	0	0	40	40
Developed and Disturbed Areas	2,000	30	0	0	300	400
Not Mapped	0	0	0	0	0	0
Rural	800	0	0	0	10	10

Table R.IV.7 - Preferred Alternative-4 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	Existing Conservation (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**2,149,000**	**734,000**	**818,000**	**279,000**	**0**	**1,831,000**	**85%**
Desert outcrop and badlands	492,000	223,000	177,000	18,000	0	417,000	85%
North American warm desert bedrock cliff and outcrop	492,000	223,000	177,000	18,000	0	417,000	85%
Desert Scrub	1,334,000	455,000	484,000	201,000	0	1,141,000	86%
Arizonan upland Sonoran desert scrub	1,000	700	200	0	0	900	83%
Intermontane deep or well-drained soil scrub	2,000	2,000	0	40	0	2,000	95%
Inter-Mountain Dry Shrubland and Grassland	30	20	10	0	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,319,000	452,000	478,000	200,000	0	1,130,000	86%
Shadscale - saltbush cool semi-desert scrub	11,000	700	5,000	2,000	0	8,000	71%
Dunes	21,000	5,000	8,000	3,000	0	16,000	75%
North American warm desert dunes and sand flats	21,000	5,000	8,000	3,000	0	16,000	75%
Grassland	2,000	0	0	2,000	0	2,000	93%
California Annual and Perennial Grassland	2,000	0	0	2,000	0	2,000	93%
California annual forb/grass vegetation	0	0	0	0	0	0	0%
Other Land Cover	5,000	100	2,000	1,000	0	3,000	62%
Agriculture	100	0	20	0	0	30	25%
Developed and Disturbed Areas	5,000	100	2,000	1,000	0	3,000	63%
Rural	80	0	50	10	0	60	73%
Riparian	252,000	50,000	139,000	24,000	0	213,000	85%
Madrean Warm Semi-Desert Wash Woodland/Scrub	165,000	25,000	105,000	15,000	0	145,000	88%
Mojavean semi-desert wash scrub	2,000	200	2,000	90	0	2,000	93%
Sonoran-Coloradan semi-desert wash woodland/scrub	85,000	25,000	32,000	9,000	0	66,000	78%
Southwestern North American riparian/wash scrub	200	0	0	200	0	200	90%
Wetland	44,000	200	9,000	30,000	0	39,000	89%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	13,000	200	6,000	5,000	0	11,000	84%
Open Water	10	0	0	0	0	0	83%
Playa	25,000	20	2,000	22,000	0	24,000	95%
Southwestern North American salt basin and high marsh	6,000	0	2,000	3,000	0	4,000	75%
Wetland	30	0	0	0	0	0	13%
Imperial Borrego Valley	**755,000**	**51,000**	**374,000**	**15,000**	**0**	**440,000**	**58%**
Desert outcrop and badlands	94,000	12,000	60,000	1,000	0	73,000	78%
North American warm desert bedrock cliff and outcrop	94,000	12,000	60,000	1,000	0	73,000	78%
Desert Scrub	337,000	13,000	182,000	10,000	0	204,000	61%
Arizonan upland Sonoran desert scrub	100	0	100	0	0	100	91%
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0	0%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	329,000	12,000	181,000	10,000	0	204,000	62%
Shadscale - saltbush cool semi-desert scrub	8,000	100	600	90	0	800	10%
Dunes	67,000	19,000	22,000	600	0	42,000	62%
North American warm desert dunes and sand flats	67,000	19,000	22,000	600	0	42,000	62%
Grassland	10	10	0	0	0	10	76%
California Annual and Perennial Grassland	10	10	0	0	0	10	76%
Other Land Cover	12,000	10	2,000	2,000	0	3,000	28%
Agriculture	6,000	0	600	2,000	0	2,000	35%
Developed and Disturbed Areas	3,000	10	1,000	60	0	1,000	34%
Not Mapped	800	0	40	0	0	40	5%
Rural	2,000	0	10	10	0	20	1%
Riparian	178,000	7,000	108,000	1,000	0	117,000	66%
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	6,000	83,000	1,000	0	89,000	64%
Mojavean semi-desert wash scrub	200	20	100	0	0	100	55%
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	1,000	22,000	200	0	23,000	77%
Southwestern North American riparian/wash scrub	8,000	30	4,000	80	0	4,000	48%
Wetland	67,000	30	200	400	0	600	1%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	200	0	0	200	86%
Open Water	67,000	30	10	400	0	400	1%
Playa	50	0	0	0	0	0	0%
Kingston and Funeral Mountains	**1,182,000**	**593,000**	**417,000**	**53,000**	**0**	**1,063,000**	**90%**
Desert conifer woodlands	10,000	7,000	2,000	900	0	9,000	94%
Great Basin Pinyon - Juniper Woodland	10,000	7,000	2,000	900	0	9,000	94%
Desert outcrop and badlands	11,000	2,000	9,000	10	0	11,000	95%
North American warm desert bedrock cliff and outcrop	11,000	2,000	9,000	10	0	11,000	95%
Desert Scrub	1,056,000	552,000	365,000	43,000	0	959,000	91%
Intermontane deep or well-drained soil scrub	1,000	700	500	0	0	1,000	95%
Intermontane seral shrubland	0	0	0	0	0	0	94%
Inter-Mountain Dry Shrubland and Grassland	10	0	10	0	0	10	93%
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	2,000	600	0	0	2,000	94%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	419,000	276,000	21,000	0	715,000	91%
Mojave and Great Basin upper bajada and toeslope	241,000	125,000	73,000	21,000	0	219,000	91%
Shadscale - saltbush cool semi-desert scrub	27,000	5,000	15,000	1,000	0	21,000	78%
Dunes	14,000	3,000	4,000	4,000	0	11,000	80%
North American warm desert dunes and sand flats	14,000	3,000	4,000	4,000	0	11,000	80%
Other Land Cover	3,000	30	3,000	100	0	3,000	93%
Agriculture	0	0	0	0	0	0	95%
Developed and Disturbed Areas	3,000	20	3,000	100	0	3,000	93%
Riparian	41,000	22,000	12,000	2,000	0	37,000	90%
Madrean Warm Semi-Desert Wash Woodland/Scrub	39,000	22,000	11,000	2,000	0	35,000	90%
Mojavean semi-desert wash scrub	300	40	100	100	0	300	94%
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	100	1,000	0	0	1,000	94%
Wetland	47,000	6,000	22,000	4,000	0	32,000	69%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	5,000	5,000	4,000	0	14,000	51%
Playa	0	0	0	0	0	0	0%
Southwestern North American salt basin and high marsh	20,000	1,000	17,000	30	0	18,000	93%
Mojave and Silurian Valley	**966,000**	**430,000**	**185,000**	**245,000**	**0**	**859,000**	**89%**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	1,000	700	200	0	2,000	89%
Central and South Coastal Californian coastal sage scrub	3,000	1,000	700	200	0	2,000	89%
Desert outcrop and badlands	11,000	3,000	3,000	3,000	0	9,000	84%
North American warm desert bedrock cliff and outcrop	11,000	3,000	3,000	3,000	0	9,000	84%
Desert Scrub	878,000	401,000	163,000	220,000	0	783,000	89%
Intermontane deep or well-drained soil scrub	17,000	4,000	2,000	9,000	0	16,000	91%
Intermontane seral shrubland	800	10	600	90	0	700	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	819,000	375,000	146,000	207,000	0	728,000	89%
Mojave and Great Basin upper bajada and toeslope	24,000	15,000	5,000	2,000	0	22,000	95%
Shadscale - saltbush cool semi-desert scrub	18,000	6,000	9,000	1,000	0	16,000	91%
Southern Great Basin semi-desert grassland	40	0	0	40	0	40	95%
Dunes	11,000	3,000	3,000	2,000	0	8,000	73%
North American warm desert dunes and sand flats	11,000	3,000	3,000	2,000	0	8,000	73%
Grassland	4,000	400	2,000	900	0	4,000	94%
California Annual and Perennial Grassland	4,000	400	2,000	800	0	3,000	94%
California annual forb/grass vegetation	300	0	100	100	0	200	95%
Other Land Cover	1,000	0	100	200	0	300	23%
Agriculture	10	0	0	0	0	0	8%
Developed and Disturbed Areas	1,000	0	100	200	0	300	24%

Riparian	25,000	14,000	5,000	4,000	0	23,000	92%
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	14,000	4,000	800	0	19,000	92%
Mojavean semi-desert wash scrub	4,000	200	600	3,000	0	3,000	94%
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	100	300	0	400	93%
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0	94%
Southwestern North American riparian/wash scrub	400	0	0	300	0	300	86%
Wetland	32,000	8,000	8,000	14,000	0	30,000	92%
Californian warm temperate marsh/seep	0	0	0	0	0	0	95%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	7,000	7,000	9,000	0	23,000	91%
Southwestern North American salt basin and high marsh	8,000	800	800	5,000	0	7,000	93%
Wetland	0	0	0	0	0	0	0%
Owens River Valley	**187,000**	**29,000**	**46,000**	**11,000**	**0**	**86,000**	**46%**
California forest and woodland	20	10	0	0	0	10	80%
Californian broadleaf forest and woodland	20	10	0	0	0	10	78%
Californian montane conifer forest	0	0	0	0	0	0	95%
Desert conifer woodlands	100	60	40	0	0	100	72%
Great Basin Pinyon - Juniper Woodland	100	60	40	0	0	100	72%
Desert outcrop and badlands	32,000	4,000	4,000	2,000	0	9,000	29%
North American warm desert bedrock cliff and outcrop	32,000	4,000	4,000	2,000	0	9,000	29%
Desert Scrub	136,000	24,000	34,000	6,000	0	64,000	47%
Intermontane deep or well-drained soil scrub	200	0	200	0	0	200	95%
Intermontane seral shrubland	800	0	0	0	0	0	1%
Inter-Mountain Dry Shrubland and Grassland	100,000	18,000	22,000	3,000	0	43,000	43%
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	600	100	0	0	800	16%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	5,000	8,000	200	0	14,000	73%
Shadscale - saltbush cool semi-desert scrub	11,000	200	3,000	3,000	0	6,000	54%
Dunes	4,000	10	3,000	500	0	4,000	87%
North American warm desert dunes and sand flats	4,000	10	3,000	500	0	4,000	87%
Other Land Cover	2,000	0	400	300	0	700	44%
Agriculture	10	0	10	0	0	10	91%
Developed and Disturbed Areas	1,000	0	300	200	0	500	45%
Not Mapped	10	0	10	0	0	10	84%
Rural	400	0	100	50	0	200	40%
Riparian	1,000	600	300	0	0	900	69%
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	600	300	0	0	900	86%
Southwestern North American riparian/wash scrub	300	0	0	0	0	0	1%
Wetland	13,000	300	4,000	3,000	0	7,000	59%
Arid West freshwater emergent marsh	10	0	0	0	0	0	21%
Open Water	10	0	10	0	0	10	95%
Playa	200	0	0	100	0	100	48%
Southwestern North American salt basin and high marsh	12,000	300	4,000	3,000	0	7,000	59%
Panamint Death Valley	**399,000**	**57,000**	**176,000**	**99,000**	**0**	**333,000**	**83%**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	0	900	0	900	95%
Central and South Coastal Californian coastal sage scrub	900	0	0	900	0	900	95%
Desert outcrop and badlands	8,000	2,000	700	5,000	0	7,000	94%
North American warm desert bedrock cliff and outcrop	8,000	2,000	700	5,000	0	7,000	94%
Desert Scrub	332,000	54,000	156,000	90,000	0	301,000	91%
Intermontane deep or well-drained soil scrub	13,000	5,000	200	8,000	0	13,000	95%
Intermontane seral shrubland	30	0	0	30	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	303,000	46,000	152,000	78,000	0	276,000	91%
Mojave and Great Basin upper bajada and toeslope	5,000	3,000	50	1,000	0	4,000	94%
Shadscale - saltbush cool semi-desert scrub	11,000	400	3,000	4,000	0	8,000	69%
Dunes	2,000	70	1,000	30	0	1,000	92%
North American warm desert dunes and sand flats	2,000	70	1,000	30	0	1,000	92%
Grassland	50	10	0	30	0	50	95%
California Annual and Perennial Grassland	50	10	0	30	0	50	95%
Other Land Cover	17,000	0	100	90	0	200	1%
Developed and Disturbed Areas	17,000	0	100	90	0	200	1%
Riparian	6,000	2,000	3,000	1,000	0	6,000	94%
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	1,000	3,000	600	0	4,000	95%
Mojavean semi-desert wash scrub	1,000	300	100	700	0	1,000	91%
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0	95%
Southwestern North American riparian/wash scrub	10	0	0	10	0	10	95%
Wetland	34,000	30	16,000	2,000	0	17,000	51%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	0	14,000	200	0	14,000	65%
Southwestern North American salt basin and high marsh	13,000	30	2,000	1,000	0	4,000	27%
Pinto Lucerne Valley and Eastern Slopes	**658,000**	**162,000**	**259,000**	**101,000**	**0**	**521,000**	**79%**
California forest and woodland	25,000	18,000	3,000	2,000	0	23,000	90%
Californian broadleaf forest and woodland	20	0	0	10	0	10	95%
Californian montane conifer forest	25,000	18,000	3,000	2,000	0	23,000	90%
Chaparral and coastal scrub community (Cismontane scrub)	9,000	2,000	1,000	2,000	0	6,000	66%
Californian xeric chaparral	3,000	2,000	200	30	0	3,000	88%
Central and south coastal California seral scrub	20	0	0	10	0	10	80%
Central and South Coastal Californian coastal sage scrub	6,000	100	900	2,000	0	3,000	55%
Western Mojave and Western Sonoran Desert borderland chaparral	100	20	10	70	0	100	78%
Desert conifer woodlands	20,000	13,000	2,000	2,000	0	17,000	85%
Great Basin Pinyon - Juniper Woodland	20,000	13,000	2,000	2,000	0	17,000	85%
Desert outcrop and badlands	27,000	16,000	9,000	700	0	26,000	94%
North American warm desert bedrock cliff and outcrop	27,000	16,000	9,000	700	0	26,000	94%
Desert Scrub	540,000	102,000	234,000	87,000	0	423,000	78%
Arizonan upland Sonoran desert scrub	1,000	100	300	0	0	400	31%
Intermontane deep or well-drained soil scrub	26,000	3,000	10,000	10,000	0	22,000	87%
Intermontane seral shrubland	4,000	0	200	2,000	0	3,000	69%
Inter-Mountain Dry Shrubland and Grassland	24,000	11,000	9,000	2,000	0	22,000	91%
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	200	100	10	0	400	92%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	402,000	76,000	176,000	52,000	0	303,000	75%
Mojave and Great Basin upper bajada and toeslope	82,000	12,000	39,000	21,000	0	72,000	87%
Shadscale - saltbush cool semi-desert scrub	400	100	200	40	0	300	77%
Dunes	900	80	0	0	0	80	10%
North American warm desert dunes and sand flats	900	80	0	0	0	80	10%
Grassland	19,000	9,000	3,000	6,000	0	17,000	91%
California Annual and Perennial Grassland	19,000	9,000	3,000	6,000	0	17,000	91%
California annual forb/grass vegetation	10	0	10	0	0	10	95%
Other Land Cover	3,000	20	200	300	0	600	19%
Developed and Disturbed Areas	3,000	20	200	300	0	600	19%
Rural	30	0	0	20	0	20	54%
Riparian	11,000	2,000	7,000	600	0	9,000	79%
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	400	300	10	0	700	36%
Mojavean semi-desert wash scrub	2,000	200	2,000	200	0	2,000	90%
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	800	5,000	300	0	6,000	89%
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	10	0	10	88%
Southwestern North American riparian/wash scrub	300	200	100	0	0	300	94%
Wetland	3,000	0	50	300	0	400	13%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	2,000	0	50	300	0	300	16%
Southwestern North American salt basin and high marsh	1,000	0	0	60	0	60	6%

Piute Valley and Sacramento Mountains	**893,000**	**370,000**	**396,000**	**5,000**	**0**	**770,000**	**86%**
Desert outcrop and badlands	400,000	238,000	110,000	3,000	0	350,000	87%
North American warm desert bedrock cliff and outcrop	400,000	238,000	110,000	3,000	0	350,000	87%
Desert Scrub	418,000	118,000	251,000	2,000	0	370,000	88%
Arizonan upland Sonoran desert scrub	600	600	0	0	0	600	94%
Inter-Mountain Dry Shrubland and Grassland	40	40	0	0	0	40	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	416,000	116,000	250,000	2,000	0	368,000	88%
Shadscale - saltbush cool semi-desert scrub	1,000	700	300	20	0	1,000	91%
Dunes	60	20	30	0	0	60	95%
North American warm desert dunes and sand flats	60	20	30	0	0	60	95%
Other Land Cover	3,000	10	2,000	0	0	2,000	75%
Developed and Disturbed Areas	3,000	10	2,000	0	0	2,000	75%
Not Mapped	0	0	0	0	0	0	95%
Rural	10	0	0	0	0	0	49%
Riparian	71,000	14,000	33,000	300	0	48,000	67%
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	14,000	33,000	300	0	48,000	67%
Southwestern North American riparian/wash scrub	40	10	30	0	0	40	90%
Wetland	400	300	50	0	0	300	89%
Playa	400	300	50	0	0	300	89%
Providence and Bullion Mountains	**1,408,000**	**587,000**	**588,000**	**52,000**	**0**	**1,227,000**	**87%**
Desert conifer woodlands	0	0	0	0	0	0	95%
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0	95%
Desert outcrop and badlands	118,000	66,000	42,000	200	0	108,000	91%
North American warm desert bedrock cliff and outcrop	118,000	66,000	42,000	200	0	108,000	91%
Desert Scrub	1,192,000	497,000	517,000	47,000	0	1,061,000	89%
Inter-Mountain Dry Shrubland and Grassland	18,000	12,000	5,000	200	0	17,000	94%
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	200	0	0	0	200	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,129,000	472,000	492,000	43,000	0	1,006,000	89%
Mojave and Great Basin upper bajada and toeslope	35,000	10,000	20,000	100	0	30,000	86%
Shadscale - saltbush cool semi-desert scrub	9,000	3,000	1,000	4,000	0	8,000	80%
Dunes	8,000	3,000	2,000	2,000	0	6,000	83%
North American warm desert dunes and sand flats	8,000	3,000	2,000	2,000	0	6,000	83%
Other Land Cover	2,000	0	600	0	0	600	25%
Developed and Disturbed Areas	2,000	0	600	0	0	600	25%
Riparian	49,000	20,000	24,000	2,000	0	46,000	93%
Madrean Warm Semi-Desert Wash Woodland/Scrub	48,000	19,000	24,000	1,000	0	45,000	93%
Mojavean semi-desert wash scrub	100	80	0	0	0	80	73%
Sonoran-Coloradan semi-desert wash woodland/scrub	700	500	200	20	0	600	94%
Southwestern North American riparian/wash scrub	200	200	0	0	0	200	95%
Wetland	38,000	1,000	2,000	1,000	0	5,000	12%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	1,000	2,000	1,000	0	5,000	12%
Southwestern North American salt basin and high marsh	70	0	0	60	0	70	95%
West Mojave and Eastern Slopes	**817,000**	**83,000**	**170,000**	**375,000**	**17,000**	**646,000**	**79%**
California forest and woodland	20,000	1,000	2,000	1,000	12,000	16,000	81%
Californian broadleaf forest and woodland	10,000	500	300	80	8,000	9,000	87%
Californian montane conifer forest	9,000	500	2,000	1,000	4,000	7,000	75%
Chaparral and coastal scrub community (Cismontane scrub)	7,000	300	700	700	1,000	3,000	40%
Californian mesic chaparral	500	0	0	0	300	300	58%
Californian pre-montane chaparral	300	0	10	10	200	300	89%
Californian xeric chaparral	2,000	0	0	0	500	500	23%
Central and south coastal California seral scrub	0	0	0	0	0	0	0%
Central and South Coastal Californian coastal sage scrub	4,000	300	600	700	0	2,000	45%
Western Mojave and Western Sonoran Desert borderland chaparral	60	0	0	0	0	0	0%
Desert conifer woodlands	20,000	7,000	5,000	2,000	500	15,000	75%
Great Basin Pinyon - Juniper Woodland	20,000	7,000	5,000	2,000	500	15,000	75%
Desert outcrop and badlands	2,000	600	30	800	0	1,000	80%
North American warm desert bedrock cliff and outcrop	2,000	600	30	800	0	1,000	80%
Desert Scrub	679,000	73,000	159,000	317,000	3,000	553,000	81%
Intermontane deep or well-drained soil scrub	8,000	1,000	3,000	3,000	0	7,000	90%
Intermontane seral shrubland	100	0	30	20	0	50	36%
Inter-Mountain Dry Shrubland and Grassland	140,000	44,000	45,000	24,000	60	113,000	81%
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	2,000	6,000	2,000	3,000	13,000	81%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	495,000	26,000	100,000	275,000	0	402,000	81%
Mojave and Great Basin upper bajada and toeslope	18,000	500	4,000	11,000	0	16,000	89%
Shadscale - saltbush cool semi-desert scrub	2,000	60	200	1,000	0	2,000	65%
Southern Great Basin semi-desert grassland	0	0	0	0	0	0	85%
Dunes	700	300	100	200	0	700	94%
North American warm desert dunes and sand flats	700	300	100	200	0	700	94%
Grassland	4,000	80	500	900	600	2,000	48%
California Annual and Perennial Grassland	4,000	80	500	500	600	2,000	47%
California annual forb/grass vegetation	800	0	30	400	0	400	50%
Other Land Cover	3,000	0	200	800	30	1,000	30%
Agriculture	20	0	10	10	0	20	73%
Developed and Disturbed Areas	2,000	0	200	700	30	900	39%
Rural	800	0	0	0	0	0	0%
Riparian	4,000	400	900	1,000	200	3,000	72%
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	60	20	200	0	300	44%
Mojavean semi-desert wash scrub	2,000	100	600	1,000	0	2,000	81%
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	10	0	0	10	95%
Southwestern North American riparian evergreen and deciduous woodland	400	0	70	30	200	300	71%
Southwestern North American riparian/wash scrub	600	200	100	20	20	400	69%
Wetland	78,000	200	600	51,000	0	51,000	66%
Californian warm temperate marsh/seep	0	0	0	0	0	0	0%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	0	400	4,000	0	5,000	26%
Southwestern North American salt basin and high marsh	60,000	200	300	46,000	0	47,000	78%
Wetland	100	0	0	10	0	10	4%

Table R.IV.7 - Alternative 1-5 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	Available Lands (acres)	Solar Impact (acres)	Wind Impact (acres)	Geothermal Impact (acres)	Transmission Impact (acres)	Total Impact (acres)
Cadiz Valley and Chocolate Mountains	**9,933,000**	**16,000**	**400**	**0**	**19,000**	**35,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,172,000	800	20	0	1,000	2,000
Flat-tailed horned lizard	200	0	0	0	0	0
Mojave fringe-toed lizard	511,000	1,000	40	0	1,000	3,000
Bird						
Bendire's thrasher	53,000	50	0	0	40	100
Burrowing owl	206,000	1,000	30	0	700	2,000
California black rail	700	0	0	0	0	0
Gila woodpecker	9,000	20	0	0	0	20
Golden eagle–foraging	1,345,000	1,000	30	0	2,000	4,000
Golden eagle–nesting	438,000	0	0	0	400	400
Greater sandhill crane	100	0	0	0	0	0
Least Bell's vireo	3,000	0	0	0	0	0
Mountain plover	400	30	0	0	0	40
Western yellow-billed cuckoo	0	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Fish						
Desert pupfish	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	506,000	80	0	0	200	300
Bighorn sheep – mountain habitat	747,000	0	0	0	600	600
California leaf-nosed bat	1,300,000	4,000	90	0	3,000	7,000
Pallid bat	2,020,000	4,000	100	0	4,000	8,000
Townsend's big-eared bat	1,621,000	4,000	100	0	4,000	8,000
Imperial Borrego Valley	**2,804,000**	**10,000**	**0**	**17,000**	**14,000**	**42,000**
Amphibian/Reptile						
Agassiz's desert tortoise	72,000	0	0	0	100	100
Flat-tailed horned lizard	428,000	2,000	0	4,000	3,000	10,000
Bird						
Bendire's thrasher	14,000	0	0	30	50	80
Burrowing owl	383,000	2,000	0	2,000	2,000	7,000
California black rail	31,000	100	0	200	200	500
Gila woodpecker	28,000	0	0	0	20	20
Golden eagle–foraging	143,000	10	0	10	100	100
Golden eagle–nesting	34,000	0	0	0	10	10
Greater sandhill crane	3,000	0	0	10	60	70
Least Bell's vireo	2,000	0	0	0	0	0
Mountain plover	4,000	0	0	0	80	80
Southwestern willow flycatcher	9,000	0	0	0	30	30
Swainson's hawk	8,000	10	0	10	100	200
Tricolored blackbird	20	0	0	0	0	0
Western yellow-billed cuckoo	400	0	0	0	0	0
Yuma clapper rail	5,000	0	0	0	0	0
Fish						
Desert pupfish	300	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	24,000	0	0	0	0	0
Bighorn sheep – mountain habitat	98,000	0	0	0	100	100
California leaf-nosed bat	387,000	1,000	0	2,000	2,000	5,000
Pallid bat	618,000	2,000	0	4,000	3,000	10,000
Townsend's big-eared bat	512,000	2,000	0	4,000	2,000	8,000
Plant						
Little San Bernardino Mountains linanthus	90	0	0	0	0	0
Kingston and Funeral Mountains	**5,895,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	862,000	0	0	0	0	0
Mojave fringe-toed lizard	2,000	0	0	0	0	0
Bird						
Bendire's thrasher	149,000	0	0	0	0	0
Burrowing owl	48,000	0	0	0	0	0
Golden eagle–foraging	927,000	0	0	0	0	0
Golden eagle–nesting	364,000	0	0	0	0	0
Least Bell's vireo	23,000	0	0	0	0	0
Western yellow-billed cuckoo	4,000	0	0	0	0	0

Table R.IV.7 - Alternative 1-5 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	Available Lands (acres)	Solar Impact (acres)	Wind Impact (acres)	Geothermal Impact (acres)	Transmission Impact (acres)	Total Impact (acres)
Mammal						
Bighorn sheep – inter-mountain habitat	232,000	0	0	0	0	0
Bighorn sheep – mountain habitat	578,000	0	0	0	0	0
California leaf-nosed bat	486,000	0	0	0	0	0
Pallid bat	1,123,000	0	0	0	0	0
Townsend's big-eared bat	1,098,000	0	0	0	0	0
Mojave and Silurian Valley	**5,315,000**	**0**	**0**	**0**	**5,000**	**5,000**
Amphibian/Reptile						
Agassiz's desert tortoise	665,000	0	0	0	800	800
Mojave fringe-toed lizard	37,000	0	0	0	80	80
Bird						
Bendire's thrasher	30,000	0	0	0	10	10
Burrowing owl	156,000	0	0	0	300	300
Golden eagle–foraging	725,000	0	0	0	500	500
Golden eagle–nesting	235,000	0	0	0	100	100
Least Bell's vireo	4,000	0	0	0	0	0
Southwestern willow flycatcher	10	0	0	0	0	0
Swainson's hawk	60	0	0	0	0	0
Tricolored blackbird	500	0	0	0	0	0
Western yellow-billed cuckoo	6,000	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	474,000	0	0	0	300	300
Bighorn sheep – mountain habitat	180,000	0	0	0	20	20
California leaf-nosed bat	782,000	0	0	0	700	700
Mohave ground squirrel	182,000	0	0	0	200	200
Pallid bat	925,000	0	0	0	800	800
Townsend's big-eared bat	898,000	0	0	0	900	900
Plant						
Barstow woolly sunflower	80	0	0	0	0	0
Desert cymopterus	300	0	0	0	0	0
Mojave monkeyflower	15,000	0	0	0	10	10
Owens River Valley	**866,000**	**23,000**	**0**	**0**	**6,000**	**29,000**
Amphibian/Reptile						
Agassiz's desert tortoise	35,000	3,000	0	0	600	4,000
Bird						
Bendire's thrasher	600	30	0	0	0	30
Burrowing owl	34,000	1,000	0	0	400	2,000
California condor	5,000	300	0	0	90	400
Golden eagle–foraging	138,000	3,000	0	0	700	4,000
Golden eagle–nesting	18,000	80	0	0	40	100
Least Bell's vireo	900	30	0	0	10	30
Southwestern willow flycatcher	22,000	2,000	0	0	300	3,000
Swainson's hawk	55,000	1,000	0	0	300	2,000
Western yellow-billed cuckoo	7,000	0	0	0	0	0
Fish						
Owens pupfish	4,000	0	0	0	40	40
Owens tui chub	4,000	0	0	0	40	40
Mammal						
Bighorn sheep – inter-mountain habitat	12,000	300	0	0	20	300
Bighorn sheep – mountain habitat	61,000	0	0	0	100	100
Mohave ground squirrel	94,000	4,000	0	0	600	4,000
Pallid bat	170,000	4,000	0	0	1,000	5,000
Townsend's big-eared bat	143,000	3,000	0	0	1,000	4,000
Plant						
Alkali mariposa-lily	20	0	0	0	0	0
Mojave tarplant	8,000	200	0	0	100	300
Owens Valley checkerbloom	55,000	10	0	0	200	200
Panamint Death Valley	**1,758,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	162,000	0	0	0	0	0
Bird						
Bendire's thrasher	0	0	0	0	0	0
Burrowing owl	37,000	0	0	0	0	0
California condor	1,000	0	0	0	0	0
Golden eagle–foraging	224,000	0	0	0	0	0

Table R.IV.7 - Alternative 1-5 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Golden eagle–nesting	110,000	0	0	0	0	0
Least Bell's vireo	600	0	0	0	0	0
Swainson's hawk	40	0	0	0	0	0
Tricolored blackbird	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	252,000	0	0	0	0	0
Bighorn sheep – mountain habitat	143,000	0	0	0	0	0
California leaf-nosed bat	500	0	0	0	0	0
Mohave ground squirrel	119,000	0	0	0	0	0
Pallid bat	347,000	0	0	0	0	0
Townsend's big-eared bat	361,000	0	0	0	0	0
Plant						
Mojave monkeyflower	1,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**13,000**	**700**	**0**	**7,000**	**21,000**
Amphibian/Reptile						
Agassiz's desert tortoise	454,000	2,000	100	0	900	3,000
Mojave fringe-toed lizard	13,000	0	0	0	40	40
Bird						
Bendire's thrasher	158,000	900	50	0	200	1,000
Burrowing owl	195,000	1,000	50	0	500	2,000
California condor	1,000	0	0	0	30	30
Golden eagle–foraging	566,000	1,000	60	0	1,000	2,000
Golden eagle–nesting	358,000	100	10	0	500	700
Least Bell's vireo	17,000	0	0	0	10	10
Southwestern willow flycatcher	5,000	0	0	0	50	50
Swainson's hawk	0	0	0	0	0	0
Tricolored blackbird	9,000	0	0	0	40	40
Western yellow-billed cuckoo	800	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	111,000	300	10	0	200	500
Bighorn sheep – mountain habitat	522,000	1,000	60	0	900	2,000
California leaf-nosed bat	102,000	0	0	0	0	0
Mohave ground squirrel	6,000	600	30	0	40	600
Pallid bat	704,000	2,000	100	0	1,000	3,000
Townsend's big-eared bat	662,000	2,000	100	0	1,000	4,000
Plant						
Alkali mariposa-lily	1,000	100	10	0	10	100
Little San Bernardino Mountains linanthus	80,000	100	10	0	10	100
Mojave monkeyflower	92,000	20	0	0	100	100
Mojave tarplant	600	0	0	0	0	0
Parish's daisy	85,000	1,000	60	0	100	1,000
Triple-ribbed milk-vetch	4,000	0	0	0	0	0
Piute Valley and Sacramento Mountains	*4,074,000*	*0*	*0*	*0*	*0*	*0*
Amphibian/Reptile						
Agassiz's desert tortoise	722,000	0	0	0	0	0
Mojave fringe-toed lizard	50	0	0	0	0	0
Bird						
Bendire's thrasher	122,000	0	0	0	0	0
Burrowing owl	2,000	0	0	0	0	0
California black rail	40	0	0	0	0	0
Golden eagle–foraging	703,000	0	0	0	0	0
Golden eagle–nesting	294,000	0	0	0	0	0
Least Bell's vireo	4,000	0	0	0	0	0
Western yellow-billed cuckoo	300	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	105,000	0	0	0	0	0
Bighorn sheep – mountain habitat	491,000	0	0	0	0	0
California leaf-nosed bat	351,000	0	0	0	0	0
Pallid bat	896,000	0	0	0	0	0
Townsend's big-eared bat	382,000	0	0	0	0	0
Providence and Bullion Mountains	**7,519,000**	**2,000**	**0**	**0**	**2,000**	**4,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,052,000	300	0	0	300	600
Mojave fringe-toed lizard	167,000	50	0	0	200	300

Table R.IV.7 - Alternative 1-5 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Bird						
Bendire's thrasher	151,000	0	0	0	0	0
Burrowing owl	156,000	20	0	0	200	200
Golden eagle–foraging	931,000	300	0	0	100	400
Golden eagle–nesting	400,000	90	0	0	10	100
Least Bell's vireo	5,000	0	0	0	0	0
Western yellow-billed cuckoo	200	10	0	0	0	10
Mammal						
Bighorn sheep – inter-mountain habitat	319,000	300	0	0	70	300
Bighorn sheep – mountain habitat	743,000	0	0	0	0	0
California leaf-nosed bat	1,032,000	300	0	0	300	600
Pallid bat	1,371,000	300	0	0	300	600
Townsend's big-eared bat	1,191,000	300	0	0	300	600
Plant						
Mojave monkeyflower	0	0	0	0	0	0
West Mojave and Eastern Slopes	**4,855,000**	**6,000**	**0**	**0**	**1,000**	**7,000**
Amphibian/Reptile						
Agassiz's desert tortoise	604,000	900	0	0	200	1,000
Mojave fringe-toed lizard	600	0	0	0	0	0
Tehachapi slender salamander	7,000	0	0	0	0	0
Bird						
Bendire's thrasher	94,000	60	0	0	0	60
Burrowing owl	490,000	600	0	0	200	800
California condor	235,000	300	0	0	100	400
Golden eagle–foraging	515,000	300	0	0	100	400
Golden eagle–nesting	169,000	400	0	0	20	400
Least Bell's vireo	10,000	0	0	0	0	0
Mountain plover	4,000	10	0	0	0	10
Southwestern willow flycatcher	11,000	0	0	0	0	0
Swainson's hawk	49,000	200	0	0	20	300
Tricolored blackbird	4,000	10	0	0	0	10
Western yellow-billed cuckoo	600	0	0	0	0	0
Yuma clapper rail	50	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	208,000	20	0	0	40	60
Bighorn sheep – mountain habitat	5,000	0	0	0	10	10
California leaf-nosed bat	2,000	0	0	0	0	0
Mohave ground squirrel	599,000	800	0	0	200	1,000
Pallid bat	768,000	1,000	0	0	200	1,000
Townsend's big-eared bat	728,000	1,000	0	0	200	1,000
Plant						
Alkali mariposa-lily	300	20	0	0	0	20
Bakersfield cactus	77,000	0	0	0	0	0
Barstow woolly sunflower	72,000	0	0	0	0	0
Desert cymopterus	66,000	0	0	0	0	0
Mojave monkeyflower	9,000	0	0	0	0	0
Mojave tarplant	127,000	70	0	0	50	100
Owens Valley checkerbloom	300	0	0	0	0	0
Parish's daisy	50	0	0	0	0	0

Table R.IV.7 - Alternative 1-6 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**9,933,000**	**3,554,000**	**2,046,000**	**1,667,000**	**1,579,000**	**8,847,000**	**89%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,172,000	395,000	248,000	314,000	122,000	1,078,000	92%
Flat-tailed horned lizard	200	0	0	0	0	0	0%
Mojave fringe-toed lizard	511,000	145,000	64,000	77,000	175,000	460,000	90%
Bird							
Bendire's thrasher	53,000	9,000	17,000	16,000	1,000	43,000	81%
Burrowing owl	206,000	18,000	88,000	33,000	38,000	177,000	86%
California black rail	700	100	80	0	80	300	42%
Gila woodpecker	9,000	500	4,000	20	2,000	7,000	72%
Golden eagle–foraging	1,345,000	551,000	310,000	198,000	137,000	1,197,000	89%
Golden eagle–nesting	438,000	267,000	62,000	14,000	59,000	402,000	92%
Greater sandhill crane	100	0	0	0	0	0	4%
Least Bell's vireo	3,000	600	2,000	0	0	3,000	95%
Mountain plover	400	0	70	60	10	100	37%
Western yellow-billed cuckoo	0	0	0	0	0	0	56%
Yuma clapper rail	10	0	0	0	0	0	0%
Fish							
Desert pupfish	200	0	200	0	0	200	95%
Mammal							
Bighorn sheep – inter-mountain habitat	506,000	196,000	112,000	64,000	87,000	459,000	91%
Bighorn sheep – mountain habitat	747,000	391,000	142,000	54,000	110,000	697,000	93%
California leaf-nosed bat	1,300,000	386,000	274,000	245,000	217,000	1,122,000	86%
Pallid bat	2,020,000	707,000	401,000	359,000	321,000	1,788,000	89%
Townsend's big-eared bat	1,621,000	488,000	321,000	294,000	311,000	1,414,000	87%
Imperial Borrego Valley	**2,804,000**	**164,000**	**243,000**	**880,000**	**435,000**	**1,723,000**	**61%**
Amphibian/Reptile							
Agassiz's desert tortoise	72,000	3,000	5,000	5,000	48,000	61,000	85%
Flat-tailed horned lizard	428,000	36,000	29,000	219,000	0	284,000	67%
Bird							
Bendire's thrasher	14,000	100	4,000	6,000	0	10,000	70%
Burrowing owl	383,000	13,000	20,000	138,000	29,000	199,000	52%
California black rail	31,000	900	700	11,000	0	12,000	40%
Gila woodpecker	28,000	200	2,000	2,000	12,000	17,000	60%
Golden eagle–foraging	143,000	13,000	24,000	1,000	65,000	103,000	72%
Golden eagle–nesting	34,000	11,000	13,000	400	6,000	30,000	86%
Greater sandhill crane	3,000	0	0	700	0	700	24%
Least Bell's vireo	2,000	300	200	1,000	0	2,000	81%
Mountain plover	4,000	0	0	700	0	700	20%
Southwestern willow flycatcher	9,000	0	100	3,000	0	3,000	34%
Swainson's hawk	8,000	0	70	600	0	700	9%
Tricolored blackbird	20	0	0	0	0	0	0%
Western yellow-billed cuckoo	400	0	0	10	0	10	2%
Yuma clapper rail	5,000	20	0	2,000	0	2,000	35%
Fish							
Desert pupfish	300	20	90	0	0	100	33%
Mammal							
Bighorn sheep – inter-mountain habitat	24,000	0	11,000	0	10,000	21,000	90%
Bighorn sheep – mountain habitat	98,000	21,000	15,000	5,000	40,000	82,000	84%
California leaf-nosed bat	387,000	13,000	23,000	108,000	72,000	216,000	56%
Pallid bat	618,000	33,000	56,000	209,000	79,000	377,000	61%
Townsend's big-eared bat	512,000	20,000	40,000	167,000	74,000	301,000	59%
Plant							
Little San Bernardino Mountains linanthus	90	0	0	80	0	80	92%
Kingston and Funeral Mountains	**5,895,000**	**3,113,000**	**914,000**	**1,316,000**	**0**	**5,342,000**	**91%**
Amphibian/Reptile							
Agassiz's desert tortoise	862,000	424,000	127,000	226,000	0	778,000	90%
Mojave fringe-toed lizard	2,000	2,000	0	0	0	2,000	91%
Bird							
Bendire's thrasher	149,000	49,000	17,000	65,000	0	131,000	88%
Burrowing owl	48,000	11,000	3,000	24,000	0	38,000	79%
Golden eagle–foraging	927,000	531,000	147,000	174,000	0	852,000	92%
Golden eagle–nesting	364,000	235,000	72,000	28,000	0	335,000	92%
Least Bell's vireo	23,000	10,000	3,000	7,000	0	19,000	86%
Western yellow-billed cuckoo	4,000	2,000	1,000	300	0	4,000	90%
Mammal							
Bighorn sheep – inter-mountain habitat	232,000	142,000	43,000	30,000	0	214,000	93%
Bighorn sheep – mountain habitat	578,000	343,000	108,000	81,000	0	532,000	92%
California leaf-nosed bat	486,000	232,000	48,000	161,000	0	440,000	91%
Pallid bat	1,123,000	584,000	176,000	252,000	0	1,013,000	90%
Townsend's big-eared bat	1,098,000	548,000	168,000	268,000	0	984,000	90%
Mojave and Silurian Valley	**5,315,000**	**2,334,000**	**420,000**	**1,802,000**	**0**	**4,556,000**	**86%**
Amphibian/Reptile							
Agassiz's desert tortoise	665,000	254,000	46,000	269,000	0	569,000	86%
Mojave fringe-toed lizard	37,000	6,000	4,000	13,000	0	23,000	63%
Bird							
Bendire's thrasher	30,000	8,000	1,000	14,000	0	24,000	78%
Burrowing owl	156,000	23,000	10,000	104,000	0	138,000	88%
Golden eagle–foraging	725,000	354,000	60,000	223,000	0	637,000	88%
Golden eagle–nesting	235,000	138,000	21,000	48,000	0	207,000	88%
Least Bell's vireo	4,000	500	20	2,000	0	2,000	61%
Southwestern willow flycatcher	10	0	0	0	0	0	0%
Swainson's hawk	60	20	0	10	0	30	59%
Tricolored blackbird	500	0	0	400	0	400	82%

Western yellow-billed cuckoo	6,000	600	400	2,000	0	3,000	58%
Mammal							
Bighorn sheep – inter-mountain habitat	474,000	240,000	43,000	127,000	0	410,000	86%
Bighorn sheep – mountain habitat	180,000	120,000	17,000	21,000	0	158,000	88%
California leaf-nosed bat	782,000	323,000	60,000	277,000	0	661,000	84%
Mohave ground squirrel	182,000	42,000	26,000	101,000	0	168,000	93%
Pallid bat	925,000	421,000	68,000	295,000	0	783,000	85%
Townsend's big-eared bat	898,000	398,000	64,000	297,000	0	759,000	84%
Plant							
Barstow woolly sunflower	80	60	10	10	0	80	95%
Desert cymopterus	300	300	0	0	0	300	95%
Mojave monkeyflower	15,000	5,000	300	8,000	0	14,000	94%
Owens River Valley	**866,000**	**140,000**	**40,000**	**183,000**	**0**	**363,000**	**42%**
Amphibian/Reptile							
Agassiz's desert tortoise	35,000	2,000	700	12,000	0	15,000	44%
Bird							
Bendire's thrasher	600	200	200	80	0	500	76%
Burrowing owl	34,000	1,000	100	16,000	0	17,000	52%
California condor	5,000	2,000	100	3,000	0	4,000	82%
Golden eagle–foraging	138,000	27,000	9,000	25,000	0	60,000	44%
Golden eagle–nesting	18,000	3,000	2,000	500	0	5,000	30%
Least Bell's vireo	900	300	0	100	0	400	44%
Southwestern willow flycatcher	22,000	2,000	500	7,000	0	9,000	42%
Swainson's hawk	55,000	5,000	1,000	11,000	0	18,000	32%
Western yellow-billed cuckoo	7,000	1,000	0	300	0	1,000	23%
Fish							
Owens pupfish	4,000	600	20	500	0	1,000	29%
Owens tui chub	4,000	600	20	500	0	1,000	29%
Mammal							
Bighorn sheep – inter-mountain habitat	12,000	6,000	3,000	3,000	0	11,000	89%
Bighorn sheep – mountain habitat	61,000	10,000	3,000	2,000	0	15,000	25%
Mohave ground squirrel	94,000	15,000	2,000	23,000	0	40,000	43%
Pallid bat	170,000	28,000	9,000	36,000	0	73,000	43%
Townsend's big-eared bat	143,000	22,000	9,000	36,000	0	67,000	47%
Plant							
Alkali mariposa-lily	20	0	10	0	0	20	95%
Mojave tarplant	8,000	600	500	4,000	0	5,000	62%
Owens Valley checkerbloom	55,000	12,000	400	3,000	0	16,000	30%
Panamint Death Valley	**1,758,000**	**258,000**	**353,000**	**575,000**	**113,000**	**1,299,000**	**74%**
Amphibian/Reptile							
Agassiz's desert tortoise	162,000	21,000	18,000	74,000	14,000	127,000	79%
Bird							
Bendire's thrasher	0	0	0	0	0	0	95%
Burrowing owl	37,000	2,000	6,000	11,000	1,000	20,000	54%
California condor	1,000	10	0	1,000	0	1,000	95%
Golden eagle–foraging	224,000	43,000	58,000	71,000	14,000	185,000	83%
Golden eagle–nesting	110,000	21,000	39,000	38,000	3,000	101,000	91%
Least Bell's vireo	600	20	0	500	20	500	91%
Swainson's hawk	40	0	0	40	0	40	95%
Tricolored blackbird	0	0	0	0	0	0	95%
Mammal							
Bighorn sheep – inter-mountain habitat	252,000	30,000	22,000	85,000	14,000	151,000	60%
Bighorn sheep – mountain habitat	143,000	25,000	58,000	22,000	11,000	115,000	81%
California leaf-nosed bat	500	300	40	100	0	400	91%
Mohave ground squirrel	119,000	6,000	6,000	66,000	8,000	86,000	72%
Pallid bat	347,000	56,000	71,000	100,000	24,000	251,000	72%
Townsend's big-eared bat	361,000	53,000	76,000	106,000	25,000	260,000	72%
Plant							
Mojave monkeyflower	1,000	200	20	400	0	600	59%
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**934,000**	**402,000**	**1,573,000**	**78,000**	**2,987,000**	**72%**
Amphibian/Reptile							
Agassiz's desert tortoise	454,000	59,000	23,000	194,000	12,000	287,000	63%
Mojave fringe-toed lizard	13,000	3,000	300	7,000	0	10,000	78%
Bird							
Bendire's thrasher	158,000	34,000	27,000	61,000	3,000	124,000	79%
Burrowing owl	195,000	10,000	9,000	80,000	10,000	109,000	56%
California condor	1,000	0	0	900	0	900	81%
Golden eagle–foraging	566,000	155,000	61,000	212,000	10,000	438,000	77%
Golden eagle–nesting	358,000	125,000	47,000	111,000	400	284,000	79%
Least Bell's vireo	17,000	9,000	1,000	4,000	0	14,000	82%
Southwestern willow flycatcher	5,000	1,000	200	3,000	0	4,000	92%
Swainson's hawk	0	0	0	0	0	0	29%
Tricolored blackbird	9,000	5,000	700	3,000	0	8,000	91%
Western yellow-billed cuckoo	800	0	0	800	0	800	94%
Mammal							
Bighorn sheep – inter-mountain habitat	111,000	700	0	32,000	90	32,000	29%
Bighorn sheep – mountain habitat	522,000	154,000	67,000	198,000	7,000	426,000	82%
California leaf-nosed bat	102,000	24,000	200	55,000	0	80,000	78%
Mohave ground squirrel	6,000	0	60	1,000	0	1,000	24%
Pallid bat	704,000	157,000	67,000	264,000	12,000	501,000	71%
Townsend's big-eared bat	662,000	135,000	62,000	255,000	12,000	465,000	70%
Plant							
Alkali mariposa-lily	1,000	0	0	700	0	700	56%
Little San Bernardino Mountains linanthus	80,000	6,000	6,000	20,000	10,000	42,000	52%
Mojave monkeyflower	92,000	17,000	16,000	51,000	0	84,000	91%
Mojave tarplant	600	400	0	100	0	500	92%
Parish's daisy	85,000	34,000	15,000	21,000	700	71,000	83%
Triple-ribbed milk-vetch	4,000	4,000	0	0	0	4,000	91%

Piute Valley and Sacramento Mountains	**4,074,000**	**1,731,000**	**1,011,000**	**621,000**	**0**	**3,363,000**	**83%**
Amphibian/Reptile							
Agassiz's desert tortoise	722,000	237,000	227,000	141,000	0	605,000	84%
Mojave fringe-toed lizard	50	0	0	0	0	0	0%
Bird							
Bendire's thrasher	122,000	61,000	34,000	10,000	0	105,000	86%
Burrowing owl	2,000	50	900	400	0	1,000	72%
California black rail	40	30	0	0	0	30	88%
Golden eagle–foraging	703,000	338,000	136,000	111,000	0	584,000	83%
Golden eagle–nesting	294,000	218,000	23,000	9,000	0	250,000	85%
Least Bell's vireo	4,000	600	2,000	400	0	4,000	83%
Western yellow-billed cuckoo	300	100	0	10	0	200	56%
Yuma clapper rail	10	10	0	0	0	10	95%
Mammal							
Bighorn sheep – inter-mountain habitat	105,000	19,000	32,000	30,000	0	81,000	77%
Bighorn sheep – mountain habitat	491,000	308,000	59,000	41,000	0	408,000	83%
California leaf-nosed bat	351,000	85,000	120,000	68,000	0	273,000	78%
Pallid bat	896,000	370,000	236,000	143,000	0	749,000	84%
Townsend's big-eared bat	382,000	94,000	141,000	68,000	0	303,000	79%
Providence and Bullion Mountains	**7,519,000**	**3,344,000**	**1,247,000**	**1,968,000**	**136,000**	**6,694,000**	**89%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,052,000	444,000	157,000	346,000	8,000	954,000	91%
Mojave fringe-toed lizard	167,000	59,000	12,000	43,000	9,000	123,000	73%
Bird							
Bendire's thrasher	151,000	67,000	40,000	31,000	0	138,000	91%
Burrowing owl	156,000	43,000	11,000	52,000	15,000	120,000	77%
Golden eagle–foraging	931,000	458,000	156,000	230,000	4,000	849,000	91%
Golden eagle–nesting	400,000	274,000	70,000	29,000	70	373,000	93%
Least Bell's vireo	5,000	3,000	600	2,000	0	5,000	90%
Western yellow-billed cuckoo	200	0	0	0	0	0	0%
Mammal							
Bighorn sheep – inter-mountain habitat	319,000	91,000	54,000	131,000	1,000	277,000	87%
Bighorn sheep – mountain habitat	743,000	449,000	123,000	121,000	1,000	694,000	93%
California leaf-nosed bat	1,032,000	377,000	199,000	306,000	26,000	908,000	88%
Pallid bat	1,371,000	585,000	224,000	373,000	34,000	1,217,000	89%
Townsend's big-eared bat	1,191,000	494,000	200,000	304,000	37,000	1,036,000	87%
Plant							
Mojave monkeyflower	0	0	0	0	0	0	95%
West Mojave and Eastern Slopes	**4,855,000**	**542,000**	**332,000**	**2,898,000**	**104,000**	**3,875,000**	**80%**
Amphibian/Reptile							
Agassiz's desert tortoise	604,000	30,000	9,000	451,000	0	490,000	81%
Mojave fringe-toed lizard	600	70	0	30	0	90	17%
Tehachapi slender salamander	7,000	0	700	500	5,000	6,000	83%
Bird							
Bendire's thrasher	94,000	37,000	19,000	24,000	0	80,000	86%
Burrowing owl	490,000	23,000	5,000	353,000	100	381,000	78%
California condor	235,000	36,000	37,000	80,000	18,000	170,000	72%
Golden eagle–foraging	515,000	70,000	41,000	306,000	16,000	434,000	84%
Golden eagle–nesting	169,000	40,000	32,000	41,000	18,000	131,000	77%
Least Bell's vireo	10,000	3,000	2,000	900	1,000	7,000	76%
Mountain plover	4,000	80	10	2,000	0	2,000	46%
Southwestern willow flycatcher	11,000	3,000	1,000	1,000	3,000	8,000	78%
Swainson's hawk	49,000	1,000	100	21,000	0	22,000	45%
Tricolored blackbird	4,000	70	0	800	200	1,000	25%
Western yellow-billed cuckoo	600	0	0	50	0	50	8%
Yuma clapper rail	50	0	0	40	0	40	68%
Mammal							
Bighorn sheep – inter-mountain habitat	208,000	62,000	43,000	69,000	1,000	175,000	84%
Bighorn sheep – mountain habitat	5,000	0	20	1,000	0	1,000	22%
California leaf-nosed bat	2,000	700	300	1,000	0	2,000	89%
Mohave ground squirrel	599,000	41,000	9,000	438,000	0	488,000	82%
Pallid bat	768,000	82,000	47,000	472,000	17,000	619,000	81%
Townsend's big-eared bat	728,000	77,000	47,000	432,000	17,000	573,000	79%
Plant							
Alkali mariposa-lily	300	0	0	0	0	0	0%
Bakersfield cactus	77,000	3,000	14,000	35,000	3,000	55,000	71%
Barstow woolly sunflower	72,000	300	0	64,000	0	64,000	89%
Desert cymopterus	66,000	3,000	0	53,000	0	57,000	86%
Mojave monkeyflower	9,000	100	300	7,000	0	7,000	83%
Mojave tarplant	127,000	28,000	23,000	47,000	4,000	102,000	80%
Owens Valley checkerbloom	300	0	0	300	0	300	79%
Parish's daisy	50	0	0	0	0	0	0%

Table R.IV.7 - Alternative 1-7 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Cadiz Valley and Chocolate Mountains	**2,159,000**	**4,000**	**100**	**0**	**5,000**	**9,000**
Desert outcrop and badlands	498,000	300	10	0	900	1,000
North American warm desert bedrock cliff and outcrop	498,000	300	10	0	900	1,000
Desert Scrub	1,332,000	4,000	90	0	4,000	7,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	2,000	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	4,000	90	0	4,000	7,000
Shadscale - saltbush cool semi-desert scrub	12,000	0	0	0	10	10
Dunes	19,000	0	0	0	0	0
North American warm desert dunes and sand flats	19,000	0	0	0	0	0
Grassland	1,000	10	0	0	10	10
California Annual and Perennial Grassland	1,000	10	0	0	10	10
California annual forb/grass vegetation	0	0	0	0	0	0
Riparian	258,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	0	0	0	0	0
Mojavean semi-desert wash scrub	400	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	45,000	0	0	0	40	40
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	0	0	0	20	20
Open Water	10	0	0	0	0	0
Playa	25,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	6,000	0	0	0	20	20
Wetland	20	0	0	0	0	0
Other Land Cover	6,000	30	0	0	50	90
Agriculture	400	30	0	0	0	40
Developed and Disturbed Areas	5,000	0	0	0	50	50
Rural	100	0	0	0	0	0
Imperial Borrego Valley	**685,000**	**2,000**	**0**	**4,000**	**4,000**	**10,000**
Desert outcrop and badlands	94,000	10	0	60	900	900
North American warm desert bedrock cliff and outcrop	94,000	10	0	60	900	900
Desert Scrub	338,000	2,000	0	4,000	2,000	9,000
Arizonan upland Sonoran desert scrub	100	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	2,000	0	4,000	2,000	9,000
Shadscale - saltbush cool semi-desert scrub	7,000	10	0	10	100	100
Dunes	63,000	0	0	0	0	0
North American warm desert dunes and sand flats	63,000	0	0	0	0	0
Grassland	10	0	0	0	0	0
California Annual and Perennial Grassland	10	0	0	0	0	0
Riparian	178,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	0	0	0	0	0
Mojavean semi-desert wash scrub	200	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	8,000	0	0	0	0	0
Wetland	900	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	0	0	0	0
Open Water	600	0	0	0	0	0
Playa	50	0	0	0	0	0
Other Land Cover	11,000	20	0	40	200	300
Agriculture	5,000	0	0	10	100	200
Developed and Disturbed Areas	4,000	10	0	10	40	70
Not Mapped	700	0	0	0	0	0
Rural	2,000	10	0	20	40	70
Kingston and Funeral Mountains	**1,184,000**	**0**	**0**	**0**	**0**	**0**
Desert conifer woodlands	10,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	10,000	0	0	0	0	0
Desert outcrop and badlands	11,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	11,000	0	0	0	0	0
Desert Scrub	1,057,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	1,000	0	0	0	0	0
Intermontane seral shrubland	0	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	242,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	28,000	0	0	0	0	0
Dunes	15,000	0	0	0	0	0
North American warm desert dunes and sand flats	15,000	0	0	0	0	0
Riparian	41,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	0	0	0	0	0
Mojavean semi-desert wash scrub	300	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	0	0	0	0	0
Wetland	47,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	0	0	0	0	0
Playa	0	0	0	0	0	0
Southwestern North American salt basin and high marsh	20,000	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Mojave and Silurian Valley	**971,000**	**0**	**0**	**0**	**900**	**900**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	0	0	0	0	0

Table R.IV.7 - Alternative 1-7 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	**Available Land (acres)**	**Solar Impacts (acres)**	**Wind Impacts (acres)**	**Geothermal Impacts (acres)**	**Transmission Impacts (acres)**	**Total Impacts (acres)**
Central and South Coastal Californian coastal sage scrub	3,000	0	0	0	0	0
Desert outcrop and badlands	10,000	0	0	0	10	10
North American warm desert bedrock cliff and outcrop	10,000	0	0	0	10	10
Desert Scrub	883,000	0	0	0	800	800
Intermontane deep or well-drained soil scrub	17,000	0	0	0	20	20
Intermontane seral shrubland	800	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	0	0	0	800	800
Mojave and Great Basin upper bajada and toeslope	24,000	0	0	0	10	10
Shadscale - saltbush cool semi-desert scrub	18,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	50	0	0	0	0	0
Dunes	12,000	0	0	0	0	0
North American warm desert dunes and sand flats	12,000	0	0	0	0	0
Grassland	4,000	0	0	0	0	0
California Annual and Perennial Grassland	4,000	0	0	0	0	0
California annual forb/grass vegetation	300	0	0	0	0	0
Riparian	26,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	0	0	0	0	0
Mojavean semi-desert wash scrub	4,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	400	0	0	0	0	0
Wetland	32,000	0	0	0	40	40
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	0	0	0	20	20
Southwestern North American salt basin and high marsh	8,000	0	0	0	10	10
Wetland	0	0	0	0	0	0
Other Land Cover	2,000	0	0	0	0	0
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	0	0
Owens River Valley	**189,000**	**4,000**	**0**	**0**	**1,000**	**5,000**
California forest and woodland	20	0	0	0	0	0
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	0	0	0	0	0	0
Desert conifer woodlands	100	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	100	0	0	0	0	0
Desert outcrop and badlands	32,000	400	0	0	40	400
North American warm desert bedrock cliff and outcrop	32,000	400	0	0	40	400
Desert Scrub	137,000	3,000	0	0	1,000	5,000
Intermontane deep or well-drained soil scrub	200	0	0	0	0	0
Intermontane seral shrubland	800	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	100,000	3,000	0	0	900	3,000
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	900	0	0	50	1,000
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	200	200
Dunes	4,000	0	0	0	0	0
North American warm desert dunes and sand flats	4,000	0	0	0	0	0
Riparian	1,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	13,000	0	0	0	0	0
Arid West freshwater emergent marsh	10	0	0	0	0	0
Open Water	10	0	0	0	0	0
Playa	200	0	0	0	0	0
Southwestern North American salt basin and high marsh	12,000	0	0	0	0	0
Other Land Cover	2,000	20	0	0	40	50
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	1,000	10	0	0	30	30
Not Mapped	10	0	0	0	0	0
Rural	400	10	0	0	10	20
Panamint Death Valley	**404,000**	**0**	**0**	**0**	**0**	**0**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	900	0	0	0	0	0
Desert outcrop and badlands	8,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	8,000	0	0	0	0	0
Desert Scrub	336,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	13,000	0	0	0	0	0
Intermontane seral shrubland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	5,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	0	0
Dunes	2,000	0	0	0	0	0
North American warm desert dunes and sand flats	2,000	0	0	0	0	0
Grassland	50	0	0	0	0	0
California Annual and Perennial Grassland	50	0	0	0	0	0
Riparian	6,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	0	0	0	0	0
Mojavean semi-desert wash scrub	1,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	10	0	0	0	0	0
Wetland	34,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	13,000	0	0	0	0	0
Other Land Cover	17,000	0	0	0	0	0

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Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Developed and Disturbed Areas	17,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	728,000	2,000	100	0	1,000	4,000
California forest and woodland	24,000	0	0	0	40	40
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	24,000	0	0	0	40	40
Chaparral and coastal scrub community (Cismontane scrub)	8,000	200	10	0	40	200
Californian xeric chaparral	3,000	0	0	0	0	0
Central and south coastal California seral scrub	20	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	6,000	200	10	0	30	200
Western Mojave and Western Sonoran Desert borderland chaparral	100	0	0	0	0	0
Desert conifer woodlands	20,000	200	10	0	40	200
Great Basin Pinyon - Juniper Woodland	20,000	200	10	0	40	200
Desert outcrop and badlands	27,000	0	0	0	20	20
North American warm desert bedrock cliff and outcrop	27,000	0	0	0	20	20
Desert Scrub	604,000	2,000	100	0	1,000	3,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	26,000	90	10	0	20	100
Intermontane seral shrubland	4,000	70	0	0	10	90
Inter-Mountain Dry Shrubland and Grassland	24,000	0	0	0	30	30
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	1,000	70	0	900	2,000
Mojave and Great Basin upper bajada and toeslope	82,000	400	20	0	200	600
Shadscale - saltbush cool semi-desert scrub	400	0	0	0	0	10
Dunes	3,000	0	0	0	0	0
North American warm desert dunes and sand flats	3,000	0	0	0	0	0
Grassland	20,000	0	0	0	100	100
California Annual and Perennial Grassland	20,000	0	0	0	100	100
California annual forb/grass vegetation	10	0	0	0	0	0
Riparian	11,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	7,000	30	0	0	50	90
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	20	0	0	40	60
Southwestern North American salt basin and high marsh	3,000	10	0	0	10	20
Other Land Cover	3,000	0	0	0	10	10
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	10	10
Rural	50	0	0	0	0	0
Piute Valley and Sacramento Mountains	896,000	0	0	0	0	0
Desert outcrop and badlands	402,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	402,000	0	0	0	0	0
Desert Scrub	420,000	0	0	0	0	0
Arizonan upland Sonoran desert scrub	600	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	1,000	0	0	0	0	0
Dunes	60	0	0	0	0	0
North American warm desert dunes and sand flats	60	0	0	0	0	0
Riparian	71,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	40	0	0	0	0	0
Wetland	400	0	0	0	0	0
Playa	400	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Not Mapped	0	0	0	0	0	0
Rural	10	0	0	0	0	0
Providence and Bullion Mountains	1,416,000	300	0	0	400	700
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	118,000	0	0	0	50	50
North American warm desert bedrock cliff and outcrop	118,000	0	0	0	50	50
Desert Scrub	1,198,000	300	0	0	200	500
Inter-Mountain Dry Shrubland and Grassland	18,000	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	300	0	0	200	500
Mojave and Great Basin upper bajada and toeslope	35,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	9,000	0	0	0	0	10
Dunes	8,000	0	0	0	0	0
North American warm desert dunes and sand flats	8,000	0	0	0	0	0
Riparian	50,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	0	0	0	0	0
Mojavean semi-desert wash scrub	100	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	700	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	38,000	10	0	0	50	60
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	10	0	0	50	60
Southwestern North American salt basin and high marsh	70	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0

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Subarea General Community Natural Community	**Available Land (acres)**	**Solar Impacts (acres)**	**Wind Impacts (acres)**	**Geothermal Impacts (acres)**	**Transmission Impacts (acres)**	**Total Impacts (acres)**
West Mojave and Eastern Slopes	839,000	1,000	0	0	200	1,000
California forest and woodland	20,000	0	0	0	0	0
Californian broadleaf forest and woodland	11,000	0	0	0	0	0
Californian montane conifer forest	10,000	0	0	0	0	0
Chaparral and coastal scrub community (Cismontane scrub)	7,000	20	0	0	10	30
Californian mesic chaparral	500	0	0	0	0	0
Californian pre-montane chaparral	300	0	0	0	0	0
Californian xeric chaparral	2,000	0	0	0	0	0
Central and south coastal California seral scrub	0	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	4,000	20	0	0	0	20
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0
Desert conifer woodlands	20,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	20,000	0	0	0	0	0
Desert outcrop and badlands	2,000	30	0	0	0	30
North American warm desert bedrock cliff and outcrop	2,000	30	0	0	0	30
Desert Scrub	699,000	900	0	0	200	1,000
Intermontane deep or well-drained soil scrub	9,000	0	0	0	0	0
Intermontane seral shrubland	200	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	139,000	80	0	0	20	100
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	800	0	0	200	1,000
Mojave and Great Basin upper bajada and toeslope	18,000	40	0	0	10	40
Shadscale - saltbush cool semi-desert scrub	3,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	0	0	0	0	0	0
Dunes	700	0	0	0	0	0
North American warm desert dunes and sand flats	700	0	0	0	0	0
Grassland	5,000	10	0	0	0	10
California Annual and Perennial Grassland	4,000	10	0	0	0	10
California annual forb/grass vegetation	900	0	0	0	0	0
Riparian	4,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	400	0	0	0	0	0
Southwestern North American riparian/wash scrub	600	0	0	0	0	0
Wetland	78,000	10	0	0	0	10
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	60,000	10	0	0	0	10
Wetland	100	0	0	0	0	0
Other Land Cover	4,000	0	0	0	0	10
Agriculture	90	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	10
Rural	800	0	0	0	0	0

Table R.IV.7 - Alternative 1-8 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**2,159,000**	**434,000**	**360,000**	**376,000**	**1,904,000**	**88%**
Desert outcrop and badlands	498,000	119,000	44,000	56,000	443,000	89%
North American warm desert bedrock cliff and outcrop	498,000	119,000	44,000	56,000	443,000	89%
Desert Scrub	1,332,000	226,000	237,000	259,000	1,177,000	88%
Arizonan upland Sonoran desert scrub	1,000	200	0	40	900	83%
Intermontane deep or well-drained soil scrub	2,000	0	30	0	2,000	95%
Inter-Mountain Dry Shrubland and Grassland	30	10	0	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	219,000	236,000	257,000	1,162,000	88%
Shadscale - saltbush cool semi-desert scrub	12,000	7,000	2,000	2,000	12,000	94%
Dunes	19,000	6,000	300	6,000	18,000	92%
North American warm desert dunes and sand flats	19,000	6,000	300	6,000	18,000	92%
Grassland	1,000	600	0	400	1,000	89%
California Annual and Perennial Grassland	1,000	600	0	400	1,000	89%
California annual forb/grass vegetation	0	0	0	0	0	0%
Riparian	258,000	76,000	77,000	18,000	223,000	86%
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	46,000	69,000	11,000	153,000	88%
Mojavean semi-desert wash scrub	400	10	200	20	400	82%
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	30,000	7,000	7,000	69,000	83%
Southwestern North American riparian/wash scrub	200	0	0	200	200	91%
Wetland	45,000	5,000	600	35,000	41,000	91%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	900	0	11,000	12,000	84%
Open Water	10	0	0	0	0	74%
Playa	25,000	60	600	23,000	24,000	95%
Southwestern North American salt basin and high marsh	6,000	4,000	0	1,000	6,000	95%
Wetland	20	0	0	0	0	5%
Other Land Cover	6,000	100	500	200	900	16%
Agriculture	400	70	60	10	100	37%
Developed and Disturbed Areas	5,000	20	400	200	700	13%
Rural	100	10	50	10	70	68%
Imperial Borrego Valley	**685,000**	**56,000**	**232,000**	**79,000**	**418,000**	**61%**
Desert outcrop and badlands	94,000	18,000	33,000	9,000	73,000	77%
North American warm desert bedrock cliff and outcrop	94,000	18,000	33,000	9,000	73,000	77%
Desert Scrub	338,000	27,000	141,000	31,000	212,000	63%
Arizonan upland Sonoran desert scrub	100	0	100	0	100	89%
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	27,000	140,000	31,000	211,000	64%
Shadscale - saltbush cool semi-desert scrub	7,000	70	500	0	600	9%
Dunes	63,000	0	24,000	0	43,000	68%
North American warm desert dunes and sand flats	63,000	0	24,000	0	43,000	68%
Grassland	10	0	0	0	10	76%
California Annual and Perennial Grassland	10	0	0	0	10	76%
Riparian	178,000	11,000	33,000	39,000	89,000	50%
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	6,000	27,000	32,000	71,000	51%
Mojavean semi-desert wash scrub	200	0	100	0	100	53%
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	2,000	3,000	7,000	14,000	45%
Southwestern North American riparian/wash scrub	8,000	3,000	2,000	0	5,000	54%
Wetland	900	0	300	0	300	33%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	200	0	200	90%
Open Water	600	0	80	0	80	13%
Playa	50	0	20	0	20	36%
Other Land Cover	11,000	40	1,000	50	1,000	10%
Agriculture	5,000	10	700	0	800	14%
Developed and Disturbed Areas	4,000	30	200	50	300	9%
Not Mapped	700	0	50	0	50	7%
Rural	2,000	0	20	0	20	1%
Kingston and Funeral Mountains	**1,184,000**	**185,000**	**281,000**	**0**	**1,059,000**	**89%**
Desert conifer woodlands	10,000	2,000	900	0	9,000	94%
Great Basin Pinyon - Juniper Woodland	10,000	2,000	900	0	9,000	94%
Desert outcrop and badlands	11,000	8,000	700	0	11,000	95%
North American warm desert bedrock cliff and outcrop	11,000	8,000	700	0	11,000	95%
Desert Scrub	1,057,000	160,000	242,000	0	955,000	90%
Intermontane deep or well-drained soil scrub	1,000	500	0	0	1,000	95%
Intermontane seral shrubland	0	0	0	0	0	48%
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	7%
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	600	0	0	2,000	94%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	140,000	155,000	0	714,000	91%
Mojave and Great Basin upper bajada and toeslope	242,000	19,000	72,000	0	216,000	90%
Shadscale - saltbush cool semi-desert scrub	28,000	700	16,000	0	22,000	78%
Dunes	15,000	4,000	4,000	0	12,000	79%
North American warm desert dunes and sand flats	15,000	4,000	4,000	0	12,000	79%
Riparian	41,000	7,000	7,000	0	37,000	89%
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	6,000	6,000	0	35,000	88%
Mojavean semi-desert wash scrub	300	40	200	0	300	95%
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	600	700	0	1,000	94%
Wetland	47,000	4,000	26,000	0	36,000	77%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	900	12,000	0	18,000	65%
Playa	0	0	0	0	0	95%
Southwestern North American salt basin and high marsh	20,000	3,000	14,000	0	18,000	92%

Table R.IV.7 - Alternative 1-8 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Other Land Cover	3,000	0	0	0	30	1%
Agriculture	0	0	0	0	0	95%
Developed and Disturbed Areas	3,000	0	0	0	20	1%
Mojave and Silurian Valley	**971,000**	**74,000**	**312,000**	**0**	**819,000**	**84%**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	600	400	0	2,000	89%
Central and South Coastal Californian coastal sage scrub	3,000	600	400	0	2,000	89%
Desert outcrop and badlands	10,000	2,000	4,000	0	9,000	92%
North American warm desert bedrock cliff and outcrop	10,000	2,000	4,000	0	9,000	92%
Desert Scrub	883,000	63,000	282,000	0	748,000	85%
Intermontane deep or well-drained soil scrub	17,000	500	11,000	0	16,000	91%
Intermontane seral shrubland	800	600	90	0	700	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	58,000	258,000	0	693,000	84%
Mojave and Great Basin upper bajada and toeslope	24,000	2,000	6,000	0	22,000	94%
Shadscale - saltbush cool semi-desert scrub	18,000	1,000	8,000	0	15,000	85%
Southern Great Basin semi-desert grassland	50	0	40	0	40	82%
Dunes	12,000	3,000	2,000	0	8,000	67%
North American warm desert dunes and sand flats	12,000	3,000	2,000	0	8,000	67%
Grassland	4,000	2,000	1,000	0	4,000	94%
California Annual and Perennial Grassland	4,000	2,000	900	0	3,000	94%
California annual forb/grass vegetation	300	100	100	0	200	95%
Riparian	26,000	1,000	6,000	0	21,000	83%
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	1,000	2,000	0	17,000	81%
Mojavean semi-desert wash scrub	4,000	200	3,000	0	3,000	94%
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	400	0	400	93%
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	56%
Southwestern North American riparian/wash scrub	400	0	300	0	300	84%
Wetland	32,000	2,000	17,000	0	27,000	83%
Californian warm temperate marsh/seep	0	0	0	0	0	92%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	2,000	11,000	0	20,000	82%
Southwestern North American salt basin and high marsh	8,000	100	6,000	0	7,000	87%
Wetland	0	0	0	0	0	0%
Other Land Cover	2,000	0	10	0	10	0%
Agriculture	10	0	10	0	10	41%
Developed and Disturbed Areas	2,000	0	0	0	0	0%
Owens River Valley	**189,000**	**11,000**	**45,000**	**0**	**85,000**	**45%**
California forest and woodland	20	0	0	0	10	78%
Californian broadleaf forest and woodland	20	0	0	0	10	77%
Californian montane conifer forest	0	0	0	0	0	95%
Desert conifer woodlands	100	40	0	0	100	72%
Great Basin Pinyon - Juniper Woodland	100	40	0	0	100	72%
Desert outcrop and badlands	32,000	1,000	4,000	0	9,000	29%
North American warm desert bedrock cliff and outcrop	32,000	1,000	4,000	0	9,000	29%
Desert Scrub	137,000	8,000	31,000	0	63,000	46%
Intermontane deep or well-drained soil scrub	200	20	200	0	200	95%
Intermontane seral shrubland	800	0	0	0	0	1%
Inter-Mountain Dry Shrubland and Grassland	100,000	4,000	20,000	0	42,000	42%
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	100	0	0	800	16%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	3,000	5,000	0	14,000	71%
Shadscale - saltbush cool semi-desert scrub	11,000	600	5,000	0	6,000	53%
Dunes	4,000	0	4,000	0	4,000	87%
North American warm desert dunes and sand flats	4,000	0	4,000	0	4,000	87%
Riparian	1,000	50	300	0	900	68%
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	50	300	0	900	86%
Southwestern North American riparian/wash scrub	300	0	0	0	0	2%
Wetland	13,000	2,000	5,000	0	7,000	57%
Arid West freshwater emergent marsh	10	0	0	0	0	18%
Open Water	10	0	10	0	10	82%
Playa	200	0	100	0	100	49%
Southwestern North American salt basin and high marsh	12,000	2,000	5,000	0	7,000	58%
Other Land Cover	2,000	0	300	0	300	20%
Agriculture	10	0	10	0	10	86%
Developed and Disturbed Areas	1,000	0	200	0	200	17%
Not Mapped	10	0	10	0	10	81%
Rural	400	0	90	0	100	25%
Panamint Death Valley	**404,000**	**80,000**	**112,000**	**25,000**	**274,000**	**68%**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	900	0	900	95%
Central and South Coastal Californian coastal sage scrub	900	0	900	0	900	95%
Desert outcrop and badlands	8,000	500	5,000	700	8,000	93%
North American warm desert bedrock cliff and outcrop	8,000	500	5,000	700	8,000	93%
Desert Scrub	336,000	70,000	95,000	23,000	242,000	72%
Intermontane deep or well-drained soil scrub	13,000	300	8,000	0	13,000	95%
Intermontane seral shrubland	30	0	30	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	69,000	81,000	22,000	217,000	71%
Mojave and Great Basin upper bajada and toeslope	5,000	50	1,000	0	4,000	93%
Shadscale - saltbush cool semi-desert scrub	11,000	1,000	5,000	700	8,000	68%
Dunes	2,000	20	1,000	30	1,000	92%
North American warm desert dunes and sand flats	2,000	20	1,000	30	1,000	92%
Grassland	50	0	30	0	50	95%

Table R.IV.7 - Alternative 1-8 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
California Annual and Perennial Grassland	50	0	30	0	50	95%
Riparian	6,000	400	2,000	800	4,000	72%
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	300	800	800	3,000	67%
Mojavean semi-desert wash scrub	1,000	100	700	0	1,000	91%
Southwestern North American riparian evergreen and deciduous woodland	10	0	10	0	10	95%
Southwestern North American riparian/wash scrub	10	0	10	0	10	95%
Wetland	34,000	8,000	8,000	800	17,000	51%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	8,000	6,000	20	14,000	65%
Southwestern North American salt basin and high marsh	13,000	50	3,000	800	4,000	28%
Other Land Cover	17,000	0	0	0	0	0%
Developed and Disturbed Areas	17,000	0	0	0	0	0%
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**67,000**	**271,000**	**12,000**	**512,000**	**70%**
California forest and woodland	24,000	500	4,000	0	22,000	90%
Californian broadleaf forest and woodland	20	0	10	0	10	95%
Californian montane conifer forest	24,000	500	4,000	0	22,000	90%
Chaparral and coastal scrub community (Cismontane scrub)	8,000	800	2,000	300	6,000	69%
Californian xeric chaparral	3,000	200	90	0	2,000	91%
Central and south coastal California seral scrub	20	0	10	0	10	80%
Central and South Coastal Californian coastal sage scrub	6,000	600	2,000	300	3,000	58%
Western Mojave and Western Sonoran Desert borderland chaparral	100	70	20	0	100	77%
Desert conifer woodlands	20,000	1,000	3,000	0	17,000	84%
Great Basin Pinyon - Juniper Woodland	20,000	1,000	3,000	0	17,000	84%
Desert outcrop and badlands	27,000	5,000	5,000	20	26,000	93%
North American warm desert bedrock cliff and outcrop	27,000	5,000	5,000	20	26,000	93%
Desert Scrub	604,000	58,000	244,000	12,000	416,000	69%
Arizonan upland Sonoran desert scrub	1,000	0	200	0	400	29%
Intermontane deep or well-drained soil scrub	26,000	9,000	12,000	0	23,000	90%
Intermontane seral shrubland	4,000	600	2,000	0	3,000	75%
Inter-Mountain Dry Shrubland and Grassland	24,000	5,000	5,000	10	22,000	90%
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	60	60	0	300	88%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	23,000	189,000	11,000	300,000	64%
Mojave and Great Basin upper bajada and toeslope	82,000	20,000	35,000	600	67,000	82%
Shadscale - saltbush cool semi-desert scrub	400	70	100	0	300	69%
Dunes	3,000	0	0	0	80	3%
North American warm desert dunes and sand flats	3,000	0	0	0	80	3%
Grassland	20,000	1,000	8,000	0	18,000	89%
California Annual and Perennial Grassland	20,000	1,000	8,000	0	18,000	89%
California annual forb/grass vegetation	10	10	0	0	10	95%
Riparian	11,000	1,000	5,000	300	9,000	75%
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	200	100	20	700	32%
Mojavean semi-desert wash scrub	2,000	100	2,000	40	2,000	84%
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	900	4,000	200	6,000	87%
Southwestern North American riparian evergreen and deciduous woodland	10	0	10	0	10	80%
Southwestern North American riparian/wash scrub	300	0	100	0	300	93%
Wetland	7,000	0	400	0	400	6%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	0	300	0	300	9%
Southwestern North American salt basin and high marsh	3,000	0	70	0	70	3%
Other Land Cover	3,000	0	60	0	80	3%
Agriculture	0	0	0	0	0	0%
Developed and Disturbed Areas	2,000	0	40	0	60	3%
Rural	50	0	20	0	20	35%
Piute Valley and Sacramento Mountains	**896,000**	**236,000**	**143,000**	**0**	**749,000**	**84%**
Desert outcrop and badlands	402,000	72,000	26,000	0	336,000	84%
North American warm desert bedrock cliff and outcrop	402,000	72,000	26,000	0	336,000	84%
Desert Scrub	420,000	132,000	115,000	0	365,000	87%
Arizonan upland Sonoran desert scrub	600	0	0	0	600	94%
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	40	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	132,000	114,000	0	364,000	87%
Shadscale - saltbush cool semi-desert scrub	1,000	100	200	0	1,000	89%
Dunes	60	10	0	0	30	59%
North American warm desert dunes and sand flats	60	10	0	0	30	59%
Riparian	71,000	30,000	2,000	0	47,000	66%
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	30,000	2,000	0	47,000	66%
Southwestern North American riparian/wash scrub	40	0	30	0	40	85%
Wetland	400	10	20	0	300	84%
Playa	400	10	20	0	300	84%
Other Land Cover	3,000	400	30	0	500	15%
Developed and Disturbed Areas	3,000	400	30	0	400	15%
Not Mapped	0	0	0	0	0	95%
Rural	10	0	0	0	0	28%
Providence and Bullion Mountains	**1,416,000**	**225,000**	**376,000**	**45,000**	**1,235,000**	**87%**
Desert conifer woodlands	0	0	0	0	0	95%
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	95%
Desert outcrop and badlands	118,000	21,000	19,000	10	106,000	89%
North American warm desert bedrock cliff and outcrop	118,000	21,000	19,000	10	106,000	89%
Desert Scrub	1,198,000	194,000	337,000	34,000	1,062,000	89%
Inter-Mountain Dry Shrubland and Grassland	18,000	2,000	3,000	0	17,000	95%
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	200	95%

Table R.IV.7 - Alternative 1-8 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	**Available Lands (acres)**	**NLCS (acres)**	**ACEC (acres)**	**Wildlife Allocation (acres)**	**Total Conservation (acres)**	**% of Available Lands**
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	172,000	330,000	33,000	1,007,000	89%
Mojave and Great Basin upper bajada and toeslope	35,000	20,000	100	0	30,000	85%
Shadscale - saltbush cool semi-desert scrub	9,000	50	4,000	700	8,000	83%
Dunes	8,000	1,000	2,000	0	6,000	81%
North American warm desert dunes and sand flats	8,000	1,000	2,000	0	6,000	81%
Riparian	50,000	8,000	17,000	400	46,000	92%
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	8,000	17,000	400	45,000	92%
Mojavean semi-desert wash scrub	100	0	0	0	80	73%
Sonoran-Coloradan semi-desert wash woodland/scrub	700	0	200	0	600	94%
Southwestern North American riparian/wash scrub	200	0	0	0	200	95%
Wetland	38,000	1,000	1,000	11,000	15,000	38%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	1,000	1,000	11,000	15,000	38%
Southwestern North American salt basin and high marsh	70	0	60	0	70	95%
Other Land Cover	3,000	0	0	0	0	0%
Developed and Disturbed Areas	3,000	0	0	0	0	0%
West Mojave and Eastern Slopes	**839,000**	**47,000**	**518,000**	**18,000**	**666,000**	**79%**
California forest and woodland	20,000	2,000	1,000	12,000	16,000	81%
Californian broadleaf forest and woodland	11,000	300	90	8,000	9,000	86%
Californian montane conifer forest	10,000	2,000	1,000	4,000	7,000	75%
Chaparral and coastal scrub community (Cismontane scrub)	7,000	400	900	1,000	3,000	38%
Californian mesic chaparral	500	0	0	300	300	57%
Californian pre-montane chaparral	300	10	10	300	300	89%
Californian xeric chaparral	2,000	0	0	500	500	22%
Central and south coastal California seral scrub	0	0	0	0	0	0%
Central and South Coastal Californian coastal sage scrub	4,000	400	900	0	2,000	42%
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0%
Desert conifer woodlands	20,000	4,000	3,000	600	15,000	75%
Great Basin Pinyon - Juniper Woodland	20,000	4,000	3,000	600	15,000	75%
Desert outcrop and badlands	2,000	30	1,000	0	2,000	82%
North American warm desert bedrock cliff and outcrop	2,000	30	1,000	0	2,000	82%
Desert Scrub	699,000	40,000	448,000	3,000	565,000	81%
Intermontane deep or well-drained soil scrub	9,000	400	6,000	0	8,000	90%
Intermontane seral shrubland	200	0	60	0	60	36%
Inter-Mountain Dry Shrubland and Grassland	139,000	28,000	40,000	70	113,000	81%
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	6,000	2,000	3,000	13,000	81%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	5,000	383,000	0	414,000	80%
Mojave and Great Basin upper bajada and toeslope	18,000	400	15,000	0	16,000	89%
Shadscale - saltbush cool semi-desert scrub	3,000	30	2,000	0	2,000	65%
Southern Great Basin semi-desert grassland	0	0	0	0	0	85%
Dunes	700	0	300	0	700	94%
North American warm desert dunes and sand flats	700	0	300	0	700	94%
Grassland	5,000	10	2,000	600	2,000	49%
California Annual and Perennial Grassland	4,000	10	1,000	600	2,000	49%
California annual forb/grass vegetation	900	0	400	0	400	48%
Riparian	4,000	200	2,000	200	3,000	71%
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	0	200	0	300	44%
Mojavean semi-desert wash scrub	2,000	20	2,000	0	2,000	79%
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	10	0	10	95%
Southwestern North American riparian evergreen and deciduous woodland	400	60	30	200	300	71%
Southwestern North American riparian/wash scrub	600	100	20	20	400	68%
Wetland	78,000	0	59,000	0	59,000	76%
Californian warm temperate marsh/seep	0	0	0	0	0	0%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	0	6,000	0	6,000	35%
Southwestern North American salt basin and high marsh	60,000	0	53,000	0	53,000	88%
Wetland	100	0	10	0	10	4%
Other Land Cover	4,000	10	40	10	70	2%
Agriculture	90	0	20	0	20	21%
Developed and Disturbed Areas	3,000	10	10	10	40	1%
Rural	800	0	0	0	0	0%

Table R.IV.7 - Alternative 2-9 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	Available Lands (acres)	Solar Impact (acres)	Wind Impact (acres)	Geothermal Impact (acres)	Transmission Impact (acres)	Total Impact (acres)
Cadiz Valley and Chocolate Mountains	**9,933,000**	**40,000**	**11,000**	**0**	**20,000**	**71,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,172,000	2,000	400	0	1,000	3,000
Flat-tailed horned lizard	200	0	0	0	0	0
Mojave fringe-toed lizard	511,000	4,000	1,000	0	1,000	7,000
Bird						
Bendire's thrasher	53,000	90	20	0	60	200
Burrowing owl	206,000	2,000	500	0	800	3,000
California black rail	700	0	0	0	0	0
Gila woodpecker	9,000	40	20	0	0	60
Golden eagle–foraging	1,345,000	5,000	1,000	0	2,000	9,000
Golden eagle–nesting	438,000	200	100	0	600	900
Greater sandhill crane	100	10	0	0	0	10
Least Bell's vireo	3,000	0	0	0	0	0
Mountain plover	400	20	0	0	0	20
Western yellow-billed cuckoo	0	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Fish						
Desert pupfish	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	506,000	800	200	0	400	1,000
Bighorn sheep – mountain habitat	747,000	30	100	0	600	800
California leaf-nosed bat	1,300,000	8,000	2,000	0	4,000	14,000
Pallid bat	2,020,000	9,000	2,000	0	5,000	16,000
Townsend's big-eared bat	1,621,000	9,000	2,000	0	4,000	16,000
Imperial Borrego Valley	**2,804,000**	**36,000**	**8,000**	**24,000**	**12,000**	**81,000**
Amphibian/Reptile						
Agassiz's desert tortoise	72,000	1,000	600	0	100	2,000
Flat-tailed horned lizard	428,000	4,000	0	5,000	2,000	12,000
Bird						
Bendire's thrasher	14,000	40	0	40	40	100
Burrowing owl	383,000	4,000	400	4,000	2,000	11,000
California black rail	31,000	400	0	500	100	1,000
Gila woodpecker	28,000	500	200	0	30	700
Golden eagle–foraging	143,000	2,000	1,000	90	300	4,000
Golden eagle–nesting	34,000	200	80	0	40	300
Greater sandhill crane	3,000	80	0	100	30	200
Least Bell's vireo	2,000	0	0	0	0	0
Mountain plover	4,000	100	0	100	50	300
Southwestern willow flycatcher	9,000	50	20	20	30	100
Swainson's hawk	8,000	200	0	300	100	600
Tricolored blackbird	20	0	0	0	0	0
Western yellow-billed cuckoo	400	0	0	0	0	0
Yuma clapper rail	5,000	0	0	10	10	20
Fish						
Desert pupfish	300	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	24,000	200	80	0	60	300
Bighorn sheep – mountain habitat	98,000	2,000	700	0	100	2,000
California leaf-nosed bat	387,000	6,000	2,000	3,000	2,000	12,000
Pallid bat	618,000	8,000	2,000	5,000	3,000	18,000
Townsend's big-eared bat	512,000	7,000	2,000	5,000	2,000	16,000
Plant						
Little San Bernardino Mountains linanthus	90	0	0	0	0	0
Kingston and Funeral Mountains	**5,895,000**	**4,000**	**1,000**	**0**	**3,000**	**8,000**
Amphibian/Reptile						
Agassiz's desert tortoise	862,000	700	200	0	400	1,000
Mojave fringe-toed lizard	2,000	0	0	0	0	0
Bird						
Bendire's thrasher	149,000	0	0	0	200	200
Burrowing owl	48,000	80	20	0	40	100
Golden eagle–foraging	927,000	700	200	0	300	1,000
Golden eagle–nesting	364,000	60	20	0	100	200
Least Bell's vireo	23,000	0	0	0	10	10
Western yellow-billed cuckoo	4,000	0	0	0	0	0

Table R.IV.7 - Alternative 2-9 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Mammal						
Bighorn sheep – inter-mountain habitat	232,000	200	50	0	0	200
Bighorn sheep – mountain habitat	578,000	300	70	0	200	600
California leaf-nosed bat	486,000	400	100	0	500	1,000
Pallid bat	1,123,000	900	200	0	500	2,000
Townsend's big-eared bat	1,098,000	1,000	300	0	500	2,000
Mojave and Silurian Valley	**5,315,000**	**8,000**	**3,000**	**0**	**4,000**	**15,000**
Amphibian/Reptile						
Agassiz's desert tortoise	665,000	600	200	0	700	2,000
Mojave fringe-toed lizard	37,000	30	0	0	30	60
Bird						
Bendire's thrasher	30,000	0	0	0	0	10
Burrowing owl	156,000	100	40	0	100	300
Golden eagle–foraging	725,000	1,000	500	0	500	2,000
Golden eagle–nesting	235,000	10	10	0	100	100
Least Bell's vireo	4,000	0	0	0	0	0
Southwestern willow flycatcher	10	0	0	0	0	0
Swainson's hawk	60	0	0	0	0	0
Tricolored blackbird	500	0	0	0	0	0
Western yellow-billed cuckoo	6,000	0	0	0	10	10
Mammal						
Bighorn sheep – inter-mountain habitat	474,000	1,000	600	0	200	2,000
Bighorn sheep – mountain habitat	180,000	90	40	0	90	200
California leaf-nosed bat	782,000	1,000	500	0	700	3,000
Mohave ground squirrel	182,000	10	10	0	60	80
Pallid bat	925,000	2,000	600	0	700	3,000
Townsend's big-eared bat	898,000	2,000	500	0	700	3,000
Plant						
Barstow woolly sunflower	80	0	0	0	0	0
Desert cymopterus	300	0	0	0	0	0
Mojave monkeyflower	15,000	0	0	0	10	10
Owens River Valley	**866,000**	**2,000**	**0**	**5,000**	**2,000**	**10,000**
Amphibian/Reptile						
Agassiz's desert tortoise	35,000	300	0	800	200	1,000
Bird						
Bendire's thrasher	600	0	0	10	0	10
Burrowing owl	34,000	100	0	300	100	600
California condor	5,000	30	0	70	30	100
Golden eagle–foraging	138,000	300	0	700	200	1,000
Golden eagle–nesting	18,000	10	0	20	10	40
Least Bell's vireo	900	0	0	10	0	10
Southwestern willow flycatcher	22,000	200	0	500	100	900
Swainson's hawk	55,000	100	0	300	90	500
Western yellow-billed cuckoo	7,000	0	0	0	0	0
Fish						
Owens pupfish	4,000	0	0	0	20	20
Owens tui chub	4,000	0	0	0	20	20
Mammal						
Bighorn sheep – inter-mountain habitat	12,000	30	0	70	10	100
Bighorn sheep – mountain habitat	61,000	0	0	0	50	50
Mohave ground squirrel	94,000	400	0	900	200	1,000
Pallid bat	170,000	400	0	900	400	2,000
Townsend's big-eared bat	143,000	300	0	800	400	2,000
Plant						
Alkali mariposa-lily	20	0	0	0	0	0
Mojave tarplant	8,000	20	0	50	40	100
Owens Valley checkerbloom	55,000	10	0	20	60	90
Panamint Death Valley	**1,758,000**	**1,000**	**200**	**0**	**300**	**2,000**
Amphibian/Reptile						
Agassiz's desert tortoise	162,000	40	10	0	30	80
Bird						
Bendire's thrasher	0	0	0	0	0	0
Burrowing owl	37,000	200	30	0	10	200
California condor	1,000	0	0	0	0	0
Golden eagle–foraging	224,000	10	0	0	40	50

Table R.IV.7 - Alternative 2-9 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Golden eagle–nesting	110,000	0	0	0	10	10
Least Bell's vireo	600	0	0	0	0	0
Swainson's hawk	40	0	0	0	0	0
Tricolored blackbird	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	252,000	600	100	0	40	700
Bighorn sheep – mountain habitat	143,000	20	0	0	0	20
California leaf-nosed bat	500	0	0	0	0	0
Mohave ground squirrel	119,000	200	30	0	30	300
Pallid bat	347,000	80	10	0	40	100
Townsend's big-eared bat	361,000	200	40	0	40	300
Plant						
Mojave monkeyflower	1,000	0	0	0	10	10
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**12,000**	**7,000**	**0**	**12,000**	**31,000**
Amphibian/Reptile						
Agassiz's desert tortoise	454,000	2,000	800	0	1,000	4,000
Mojave fringe-toed lizard	13,000	0	10	0	50	60
Bird						
Bendire's thrasher	158,000	500	400	0	400	1,000
Burrowing owl	195,000	2,000	700	0	900	3,000
California condor	1,000	0	0	0	30	30
Golden eagle–foraging	566,000	1,000	900	0	2,000	4,000
Golden eagle–nesting	358,000	100	300	0	800	1,000
Least Bell's vireo	17,000	10	10	0	40	70
Southwestern willow flycatcher	5,000	0	0	0	60	60
Swainson's hawk	0	0	0	0	0	0
Tricolored blackbird	9,000	20	40	0	40	100
Western yellow-billed cuckoo	800	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	111,000	100	50	0	400	600
Bighorn sheep – mountain habitat	522,000	800	700	0	1,000	3,000
California leaf-nosed bat	102,000	0	0	0	0	0
Mohave ground squirrel	6,000	100	50	0	60	200
Pallid bat	704,000	2,000	1,000	0	2,000	6,000
Townsend's big-eared bat	662,000	2,000	1,000	0	2,000	5,000
Plant						
Alkali mariposa-lily	1,000	20	10	0	0	30
Little San Bernardino Mountains linanthus	80,000	500	200	0	20	800
Mojave monkeyflower	92,000	400	100	0	200	700
Mojave tarplant	600	0	0	0	0	0
Parish's daisy	85,000	300	400	0	100	800
Triple-ribbed milk-vetch	4,000	0	0	0	0	0
Piute Valley and Sacramento Mountains	**4,074,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	722,000	0	0	0	0	0
Mojave fringe-toed lizard	50	0	0	0	0	0
Bird						
Bendire's thrasher	122,000	0	0	0	0	0
Burrowing owl	2,000	0	0	0	0	0
California black rail	40	0	0	0	0	0
Golden eagle–foraging	703,000	0	0	0	0	0
Golden eagle–nesting	294,000	0	0	0	0	0
Least Bell's vireo	4,000	0	0	0	0	0
Western yellow-billed cuckoo	300	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	105,000	0	0	0	0	0
Bighorn sheep – mountain habitat	491,000	0	0	0	0	0
California leaf-nosed bat	351,000	0	0	0	0	0
Pallid bat	896,000	0	0	0	0	0
Townsend's big-eared bat	382,000	0	0	0	0	0
Providence and Bullion Mountains	**7,519,000**	**5,000**	**3,000**	**0**	**5,000**	**12,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,052,000	800	500	0	800	2,000
Mojave fringe-toed lizard	167,000	100	70	0	400	600

Table R.IV.7 - Alternative 2-9 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Bird						
Bendire's thrasher	151,000	0	0	0	0	0
Burrowing owl	156,000	100	90	0	300	600
Golden eagle–foraging	931,000	400	300	0	400	1,000
Golden eagle–nesting	400,000	200	100	0	80	300
Least Bell's vireo	5,000	0	0	0	0	0
Western yellow-billed cuckoo	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	319,000	200	100	0	100	400
Bighorn sheep – mountain habitat	743,000	400	200	0	200	800
California leaf-nosed bat	1,032,000	800	500	0	700	2,000
Pallid bat	1,371,000	900	500	0	800	2,000
Townsend's big-eared bat	1,191,000	900	600	0	800	2,000
Plant						
Mojave monkeyflower	0	0	0	0	0	0
West Mojave and Eastern Slopes	**4,855,000**	**66,000**	**2,000**	**0**	**900**	**68,000**
Amphibian/Reptile						
Agassiz's desert tortoise	604,000	11,000	200	0	100	11,000
Mojave fringe-toed lizard	600	0	0	0	0	0
Tehachapi slender salamander	7,000	10	0	0	0	10
Bird						
Bendire's thrasher	94,000	80	10	0	10	100
Burrowing owl	490,000	10,000	200	0	100	10,000
California condor	235,000	3,000	100	0	60	3,000
Golden eagle–foraging	515,000	6,000	200	0	80	6,000
Golden eagle–nesting	169,000	500	30	0	20	600
Least Bell's vireo	10,000	0	0	0	0	0
Mountain plover	4,000	100	10	0	0	100
Southwestern willow flycatcher	11,000	0	0	0	0	0
Swainson's hawk	49,000	1,000	70	0	20	1,000
Tricolored blackbird	4,000	100	10	0	0	100
Western yellow-billed cuckoo	600	0	0	0	0	0
Yuma clapper rail	50	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	208,000	90	0	0	20	100
Bighorn sheep – mountain habitat	5,000	0	0	0	0	0
California leaf-nosed bat	2,000	0	0	0	0	0
Mohave ground squirrel	599,000	11,000	200	0	100	12,000
Pallid bat	768,000	10,000	200	0	100	11,000
Townsend's big-eared bat	728,000	10,000	200	0	100	10,000
Plant						
Alkali mariposa-lily	300	10	0	0	0	10
Bakersfield cactus	77,000	400	30	0	10	400
Barstow woolly sunflower	72,000	2,000	0	0	10	2,000
Desert cymopterus	66,000	300	0	0	10	300
Mojave monkeyflower	9,000	50	0	0	0	50
Mojave tarplant	127,000	400	10	0	30	500
Owens Valley checkerbloom	300	0	0	0	0	0
Parish's daisy	50	0	0	0	0	0

Table R.IV.7 - Alternative 2-10 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**9,933,000**	**3,554,000**	**5,137,000**	**39,000**	**3,000**	**8,734,000**	**88%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,172,000	395,000	673,000	6,000	300	1,074,000	92%
Flat-tailed horned lizard	200	0	10	0	0	10	6%
Mojave fringe-toed lizard	511,000	145,000	280,000	2,000	300	427,000	84%
Bird							
Bendire's thrasher	53,000	9,000	39,000	50	0	49,000	92%
Burrowing owl	206,000	18,000	147,000	2,000	80	166,000	81%
California black rail	700	100	400	0	0	500	81%
Gila woodpecker	9,000	500	7,000	50	0	7,000	78%
Golden eagle–foraging	1,345,000	551,000	626,000	4,000	300	1,181,000	88%
Golden eagle–nesting	438,000	267,000	137,000	600	200	405,000	93%
Greater sandhill crane	100	0	0	0	0	0	0%
Least Bell's vireo	3,000	600	2,000	30	0	3,000	95%
Mountain plover	400	0	30	90	0	100	32%
Western yellow-billed cuckoo	0	0	0	0	0	0	58%
Yuma clapper rail	10	0	0	0	0	0	6%
Fish							
Desert pupfish	200	0	200	0	0	200	95%
Mammal							
Bighorn sheep – inter-mountain habitat	506,000	196,000	262,000	3,000	90	460,000	91%
Bighorn sheep – mountain habitat	747,000	391,000	306,000	2,000	300	700,000	94%
California leaf-nosed bat	1,300,000	386,000	707,000	5,000	300	1,099,000	85%
Pallid bat	2,020,000	707,000	1,055,000	8,000	600	1,771,000	88%
Townsend's big-eared bat	1,621,000	488,000	895,000	7,000	500	1,390,000	86%
Imperial Borrego Valley	**2,804,000**	**164,000**	**1,549,000**	**8,000**	**0**	**1,721,000**	**61%**
Amphibian/Reptile							
Agassiz's desert tortoise	72,000	3,000	42,000	20	0	45,000	63%
Flat-tailed horned lizard	428,000	36,000	266,000	2,000	0	304,000	71%
Bird							
Bendire's thrasher	14,000	100	11,000	60	0	12,000	82%
Burrowing owl	383,000	13,000	194,000	1,000	0	208,000	54%
California black rail	31,000	900	9,000	60	0	10,000	34%
Gila woodpecker	28,000	200	10,000	40	0	10,000	35%
Golden eagle–foraging	143,000	13,000	73,000	300	0	86,000	60%
Golden eagle–nesting	34,000	11,000	20,000	80	0	31,000	89%
Greater sandhill crane	3,000	0	900	30	0	1,000	32%
Least Bell's vireo	2,000	300	2,000	0	0	2,000	86%
Mountain plover	4,000	0	1,000	20	0	1,000	35%
Southwestern willow flycatcher	9,000	0	3,000	30	0	3,000	38%
Swainson's hawk	8,000	0	700	0	0	700	9%
Tricolored blackbird	20	0	20	0	0	20	82%
Western yellow-billed cuckoo	400	0	200	0	0	200	60%
Yuma clapper rail	5,000	20	2,000	10	0	2,000	30%
Fish							
Desert pupfish	300	20	100	0	0	200	49%
Mammal							
Bighorn sheep – inter-mountain habitat	24,000	0	20,000	100	0	20,000	85%
Bighorn sheep – mountain habitat	98,000	21,000	56,000	30	0	77,000	79%
California leaf-nosed bat	387,000	13,000	199,000	800	0	213,000	55%
Pallid bat	618,000	33,000	355,000	2,000	0	390,000	63%
Townsend's big-eared bat	512,000	20,000	284,000	1,000	0	305,000	60%
Plant							
Little San Bernardino Mountains linanthus	90	0	80	0	0	80	92%
Kingston and Funeral Mountains	**5,895,000**	**3,113,000**	**2,340,000**	**11,000**	**0**	**5,464,000**	**93%**
Amphibian/Reptile							
Agassiz's desert tortoise	862,000	424,000	371,000	2,000	0	798,000	93%
Mojave fringe-toed lizard	2,000	2,000	70	0	0	2,000	95%
Bird							
Bendire's thrasher	149,000	49,000	91,000	300	0	140,000	94%
Burrowing owl	48,000	11,000	31,000	300	0	42,000	88%
Golden eagle–foraging	927,000	531,000	330,000	900	0	861,000	93%
Golden eagle–nesting	364,000	235,000	106,000	500	0	342,000	94%
Least Bell's vireo	23,000	10,000	10,000	500	0	21,000	93%
Western yellow-billed cuckoo	4,000	2,000	2,000	10	0	4,000	91%
Mammal							
Bighorn sheep – inter-mountain habitat	232,000	142,000	73,000	100	0	215,000	93%
Bighorn sheep – mountain habitat	578,000	343,000	195,000	700	0	540,000	93%
California leaf-nosed bat	486,000	232,000	217,000	600	0	449,000	92%
Pallid bat	1,123,000	584,000	451,000	3,000	0	1,038,000	92%
Townsend's big-eared bat	1,098,000	548,000	462,000	3,000	0	1,013,000	92%
Mojave and Silurian Valley	**5,315,000**	**2,334,000**	**2,529,000**	**17,000**	**0**	**4,879,000**	**92%**
Amphibian/Reptile							
Agassiz's desert tortoise	665,000	254,000	359,000	3,000	0	616,000	93%
Mojave fringe-toed lizard	37,000	6,000	28,000	100	0	35,000	93%
Bird							
Bendire's thrasher	30,000	8,000	19,000	20	0	27,000	91%
Burrowing owl	156,000	23,000	120,000	900	0	144,000	92%
Golden eagle–foraging	725,000	354,000	311,000	2,000	0	667,000	92%
Golden eagle–nesting	235,000	138,000	83,000	300	0	222,000	94%
Least Bell's vireo	4,000	500	3,000	0	0	3,000	94%
Southwestern willow flycatcher	10	0	10	0	0	10	71%
Swainson's hawk	60	20	30	0	0	50	84%
Tricolored blackbird	500	0	400	10	0	400	89%
Western yellow-billed cuckoo	6,000	600	5,000	0	0	5,000	94%
Mammal							
Bighorn sheep – inter-mountain habitat	474,000	240,000	183,000	2,000	0	425,000	90%

Table R.IV.7 - Alternative 2-10 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Bighorn sheep – mountain habitat	180,000	120,000	48,000	200	0	168,000	93%
California leaf-nosed bat	782,000	323,000	388,000	3,000	0	713,000	91%
Mohave ground squirrel	182,000	42,000	128,000	2,000	0	171,000	94%
Pallid bat	925,000	421,000	423,000	3,000	0	846,000	91%
Townsend's big-eared bat	898,000	398,000	421,000	2,000	0	822,000	91%
Plant							
Barstow woolly sunflower	80	60	20	0	0	80	95%
Desert cymopterus	300	300	0	0	0	300	95%
Mojave monkeyflower	15,000	5,000	8,000	30	0	14,000	94%
Owens River Valley	**866,000**	**140,000**	**184,000**	**38,000**	**0**	**362,000**	**42%**
Amphibian/Reptile							
Agassiz's desert tortoise	35,000	2,000	12,000	1,000	0	16,000	45%
Bird							
Bendire's thrasher	600	200	300	0	0	500	76%
Burrowing owl	34,000	1,000	10,000	5,000	0	17,000	52%
California condor	5,000	2,000	3,000	0	0	4,000	83%
Golden eagle–foraging	138,000	27,000	30,000	4,000	0	60,000	44%
Golden eagle–nesting	18,000	3,000	2,000	20	0	5,000	30%
Least Bell's vireo	900	300	40	30	0	300	40%
Southwestern willow flycatcher	22,000	2,000	7,000	800	0	9,000	44%
Swainson's hawk	55,000	5,000	9,000	3,000	0	18,000	32%
Western yellow-billed cuckoo	7,000	1,000	0	300	0	1,000	22%
Fish							
Owens pupfish	4,000	600	600	50	0	1,000	32%
Owens tui chub	4,000	600	600	50	0	1,000	32%
Mammal							
Bighorn sheep – inter-mountain habitat	12,000	6,000	5,000	30	0	11,000	89%
Bighorn sheep – mountain habitat	61,000	10,000	4,000	900	0	16,000	25%
Mohave ground squirrel	94,000	15,000	17,000	7,000	0	40,000	43%
Pallid bat	170,000	28,000	38,000	6,000	0	72,000	43%
Townsend's big-eared bat	143,000	22,000	38,000	7,000	0	67,000	47%
Plant							
Alkali mariposa-lily	20	0	10	0	0	20	95%
Mojave tarplant	8,000	600	5,000	0	0	5,000	63%
Owens Valley checkerbloom	55,000	12,000	2,000	2,000	0	16,000	30%
Panamint Death Valley	**1,758,000**	**258,000**	**1,228,000**	**61,000**	**0**	**1,547,000**	**88%**
Amphibian/Reptile							
Agassiz's desert tortoise	162,000	21,000	120,000	7,000	0	148,000	91%
Bird							
Bendire's thrasher	0	0	0	0	0	0	95%
Burrowing owl	37,000	2,000	18,000	1,000	0	21,000	57%
California condor	1,000	10	0	1,000	0	1,000	95%
Golden eagle–foraging	224,000	43,000	160,000	7,000	0	210,000	93%
Golden eagle–nesting	110,000	21,000	77,000	5,000	0	104,000	94%
Least Bell's vireo	600	20	500	0	0	600	95%
Swainson's hawk	40	0	10	30	0	40	95%
Tricolored blackbird	0	0	0	0	0	0	95%
Mammal							
Bighorn sheep – inter-mountain habitat	252,000	30,000	163,000	8,000	0	201,000	80%
Bighorn sheep – mountain habitat	143,000	25,000	102,000	4,000	0	131,000	92%
California leaf-nosed bat	500	300	200	0	0	400	95%
Mohave ground squirrel	119,000	6,000	81,000	8,000	0	95,000	79%
Pallid bat	347,000	56,000	252,000	10,000	0	319,000	92%
Townsend's big-eared bat	361,000	53,000	253,000	10,000	0	316,000	88%
Plant							
Mojave monkeyflower	1,000	200	800	10	0	1,000	92%
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**934,000**	**2,265,000**	**9,000**	**0**	**3,207,000**	**77%**
Amphibian/Reptile							
Agassiz's desert tortoise	454,000	59,000	257,000	900	0	316,000	70%
Mojave fringe-toed lizard	13,000	3,000	9,000	50	0	12,000	90%
Bird							
Bendire's thrasher	158,000	34,000	93,000	300	0	127,000	80%
Burrowing owl	195,000	10,000	108,000	700	0	118,000	61%
California condor	1,000	0	900	0	0	900	80%
Golden eagle–foraging	566,000	155,000	302,000	900	0	457,000	81%
Golden eagle–nesting	358,000	125,000	180,000	600	0	306,000	86%
Least Bell's vireo	17,000	9,000	6,000	10	0	15,000	89%
Southwestern willow flycatcher	5,000	1,000	3,000	0	0	4,000	92%
Swainson's hawk	0	0	0	0	0	0	29%
Tricolored blackbird	9,000	5,000	2,000	0	0	7,000	76%
Western yellow-billed cuckoo	800	0	800	0	0	800	94%
Mammal							
Bighorn sheep – inter-mountain habitat	111,000	700	52,000	500	0	53,000	48%
Bighorn sheep – mountain habitat	522,000	154,000	292,000	1,000	0	447,000	86%
California leaf-nosed bat	102,000	24,000	71,000	200	0	96,000	94%
Mohave ground squirrel	6,000	0	3,000	0	0	3,000	50%
Pallid bat	704,000	157,000	377,000	2,000	0	536,000	76%
Townsend's big-eared bat	662,000	135,000	368,000	1,000	0	505,000	76%
Plant							
Alkali mariposa-lily	1,000	0	900	0	0	900	73%
Little San Bernardino Mountains linanthus	80,000	6,000	46,000	200	0	52,000	65%
Mojave monkeyflower	92,000	17,000	62,000	200	0	79,000	86%
Mojave tarplant	600	400	200	0	0	500	93%
Parish's daisy	85,000	34,000	32,000	50	0	66,000	77%
Triple-ribbed milk-vetch	4,000	4,000	100	0	0	4,000	93%
Piute Valley and Sacramento Mountains	**4,074,000**	**1,731,000**	**2,089,000**	**20,000**	**0**	**3,840,000**	**94%**
Amphibian/Reptile							

Table R.IV.7 - Alternative 2-10 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	**Total Acres in Available Lands (acres)**	**Existing Conservation (acres)**	**BLM LUPA Conservation Designations (acres)**	**Conservation Planning Areas (acres)**	**Wildlife Allocation (acres)**	**Total Conservation (acres)**	**% of Available Lands**
Agassiz's desert tortoise	722,000	237,000	439,000	4,000	0	680,000	94%
Mojave fringe-toed lizard	50	0	40	0	0	40	95%
Bird							
Bendire's thrasher	122,000	61,000	52,000	2,000	0	115,000	94%
Burrowing owl	2,000	50	2,000	0	0	2,000	86%
California black rail	40	30	0	0	0	30	88%
Golden eagle–foraging	703,000	338,000	324,000	3,000	0	664,000	95%
Golden eagle–nesting	294,000	218,000	60,000	100	0	279,000	95%
Least Bell's vireo	4,000	600	3,000	60	0	4,000	93%
Western yellow-billed cuckoo	300	100	60	0	0	200	73%
Yuma clapper rail	10	10	0	0	0	10	95%
Mammal							
Bighorn sheep – inter-mountain habitat	105,000	19,000	77,000	2,000	0	97,000	93%
Bighorn sheep – mountain habitat	491,000	308,000	158,000	200	0	466,000	95%
California leaf-nosed bat	351,000	85,000	242,000	2,000	0	329,000	94%
Pallid bat	896,000	370,000	470,000	4,000	0	844,000	94%
Townsend's big-eared bat	382,000	94,000	263,000	2,000	0	359,000	94%
Providence and Bullion Mountains	**7,519,000**	**3,344,000**	**3,560,000**	**21,000**	**0**	**6,924,000**	**92%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,052,000	444,000	519,000	4,000	0	967,000	92%
Mojave fringe-toed lizard	167,000	59,000	94,000	600	0	154,000	92%
Bird							
Bendire's thrasher	151,000	67,000	70,000	600	0	138,000	91%
Burrowing owl	156,000	43,000	97,000	300	0	140,000	90%
Golden eagle–foraging	931,000	458,000	407,000	3,000	0	867,000	93%
Golden eagle–nesting	400,000	274,000	99,000	400	0	374,000	93%
Least Bell's vireo	5,000	3,000	2,000	200	0	5,000	92%
Western yellow-billed cuckoo	200	0	0	0	0	0	0%
Mammal							
Bighorn sheep – inter-mountain habitat	319,000	91,000	201,000	800	0	293,000	92%
Bighorn sheep – mountain habitat	743,000	449,000	240,000	900	0	690,000	93%
California leaf-nosed bat	1,032,000	377,000	563,000	3,000	0	944,000	91%
Pallid bat	1,371,000	585,000	673,000	4,000	0	1,262,000	92%
Townsend's big-eared bat	1,191,000	494,000	593,000	3,000	0	1,091,000	92%
Plant							
Mojave monkeyflower	0	0	0	0	0	0	95%
West Mojave and Eastern Slopes	**4,855,000**	**542,000**	**3,045,000**	**153,000**	**400**	**3,740,000**	**77%**
Amphibian/Reptile							
Agassiz's desert tortoise	604,000	30,000	394,000	6,000	0	430,000	71%
Mojave fringe-toed lizard	600	70	400	0	0	500	88%
Tehachapi slender salamander	7,000	0	1,000	5,000	50	7,000	92%
Bird							
Bendire's thrasher	94,000	37,000	51,000	500	0	88,000	94%
Burrowing owl	490,000	23,000	311,000	4,000	0	338,000	69%
California condor	235,000	36,000	127,000	21,000	50	184,000	78%
Golden eagle–foraging	515,000	70,000	323,000	22,000	40	415,000	81%
Golden eagle–nesting	169,000	40,000	92,000	21,000	50	153,000	90%
Least Bell's vireo	10,000	3,000	4,000	1,000	50	9,000	93%
Mountain plover	4,000	80	2,000	10	0	2,000	57%
Southwestern willow flycatcher	11,000	3,000	4,000	3,000	40	10,000	93%
Swainson's hawk	49,000	1,000	24,000	900	0	26,000	54%
Tricolored blackbird	4,000	70	2,000	200	0	2,000	54%
Western yellow-billed cuckoo	600	0	500	0	0	500	84%
Yuma clapper rail	50	0	50	0	0	50	92%
Mammal							
Bighorn sheep – inter-mountain habitat	208,000	62,000	129,000	4,000	0	196,000	94%
Bighorn sheep – mountain habitat	5,000	0	4,000	0	0	4,000	83%
California leaf-nosed bat	2,000	700	1,000	0	0	2,000	94%
Mohave ground squirrel	599,000	41,000	376,000	6,000	0	423,000	71%
Pallid bat	768,000	82,000	485,000	25,000	50	592,000	77%
Townsend's big-eared bat	728,000	77,000	460,000	24,000	50	561,000	77%
Plant							
Alkali mariposa-lily	300	0	100	0	0	100	34%
Bakersfield cactus	77,000	3,000	62,000	4,000	0	68,000	89%
Barstow woolly sunflower	72,000	300	46,000	400	0	47,000	65%
Desert cymopterus	66,000	3,000	55,000	400	0	59,000	89%
Mojave monkeyflower	9,000	100	7,000	20	0	7,000	85%
Mojave tarplant	127,000	28,000	83,000	4,000	50	115,000	90%
Owens Valley checkerbloom	300	0	300	0	0	300	86%
Parish's daisy	50	0	0	0	0	0	0%

Table R.IV.7 - Alternative 2-11 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Cadiz Valley and Chocolate Mountains	**2,159,000**	**4,000**	**100**	**0**	**5,000**	**9,000**
Desert outcrop and badlands	498,000	300	10	0	900	1,000
North American warm desert bedrock cliff and outcrop	498,000	300	10	0	900	1,000
Desert Scrub	1,332,000	4,000	90	0	4,000	7,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	2,000	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	4,000	90	0	4,000	7,000
Shadscale - saltbush cool semi-desert scrub	12,000	0	0	0	10	10
Dunes	19,000	0	0	0	0	0
North American warm desert dunes and sand flats	19,000	0	0	0	0	0
Grassland	1,000	10	0	0	10	10
California Annual and Perennial Grassland	1,000	10	0	0	10	10
California annual forb/grass vegetation	0	0	0	0	0	0
Riparian	258,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	0	0	0	0	0
Mojavean semi-desert wash scrub	400	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	45,000	0	0	0	40	40
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	0	0	0	20	20
Open Water	10	0	0	0	0	0
Playa	25,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	6,000	0	0	0	20	20
Wetland	20	0	0	0	0	0
Other Land Cover	6,000	30	0	0	50	90
Agriculture	400	30	0	0	0	40
Developed and Disturbed Areas	5,000	0	0	0	50	50
Rural	100	0	0	0	0	0
Imperial Borrego Valley	**685,000**	**2,000**	**0**	**4,000**	**4,000**	**10,000**
Desert outcrop and badlands	94,000	10	0	60	900	900
North American warm desert bedrock cliff and outcrop	94,000	10	0	60	900	900
Desert Scrub	338,000	2,000	0	4,000	2,000	9,000
Arizonan upland Sonoran desert scrub	100	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	2,000	0	4,000	2,000	9,000
Shadscale - saltbush cool semi-desert scrub	7,000	10	0	10	100	100
Dunes	63,000	0	0	0	0	0
North American warm desert dunes and sand flats	63,000	0	0	0	0	0
Grassland	10	0	0	0	0	0
California Annual and Perennial Grassland	10	0	0	0	0	0
Riparian	178,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	0	0	0	0	0
Mojavean semi-desert wash scrub	200	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	8,000	0	0	0	0	0
Wetland	900	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	0	0	0	0
Open Water	600	0	0	0	0	0
Playa	50	0	0	0	0	0
Other Land Cover	11,000	20	0	40	200	300
Agriculture	5,000	0	0	10	100	200
Developed and Disturbed Areas	4,000	10	0	10	40	70
Not Mapped	700	0	0	0	0	0
Rural	2,000	10	0	20	40	70
Kingston and Funeral Mountains	**1,184,000**	**0**	**0**	**0**	**0**	**0**
Desert conifer woodlands	10,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	10,000	0	0	0	0	0
Desert outcrop and badlands	11,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	11,000	0	0	0	0	0
Desert Scrub	1,057,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	1,000	0	0	0	0	0
Intermontane seral shrubland	0	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	242,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	28,000	0	0	0	0	0
Dunes	15,000	0	0	0	0	0
North American warm desert dunes and sand flats	15,000	0	0	0	0	0
Riparian	41,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	0	0	0	0	0
Mojavean semi-desert wash scrub	300	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	0	0	0	0	0
Wetland	47,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	0	0	0	0	0
Playa	0	0	0	0	0	0
Southwestern North American salt basin and high marsh	20,000	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Mojave and Silurian Valley	**971,000**	**0**	**0**	**0**	**900**	**900**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	0	0	0	0	0

Table R.IV.7 - Alternative 2-11 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Central and South Coastal Californian coastal sage scrub	3,000	0	0	0	0	0
Desert outcrop and badlands	10,000	0	0	0	10	10
North American warm desert bedrock cliff and outcrop	10,000	0	0	0	10	10
Desert Scrub	883,000	0	0	0	800	800
Intermontane deep or well-drained soil scrub	17,000	0	0	0	20	20
Intermontane seral shrubland	800	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	0	0	0	800	800
Mojave and Great Basin upper bajada and toeslope	24,000	0	0	0	10	10
Shadscale - saltbush cool semi-desert scrub	18,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	50	0	0	0	0	0
Dunes	12,000	0	0	0	0	0
North American warm desert dunes and sand flats	12,000	0	0	0	0	0
Grassland	4,000	0	0	0	0	0
California Annual and Perennial Grassland	4,000	0	0	0	0	0
California annual forb/grass vegetation	300	0	0	0	0	0
Riparian	26,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	0	0	0	0	0
Mojavean semi-desert wash scrub	4,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	400	0	0	0	0	0
Wetland	32,000	0	0	0	40	40
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	0	0	0	20	20
Southwestern North American salt basin and high marsh	8,000	0	0	0	10	10
Wetland	0	0	0	0	0	0
Other Land Cover	2,000	0	0	0	0	0
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	0	0
Owens River Valley	**189,000**	**4,000**	**0**	**0**	**1,000**	**5,000**
California forest and woodland	20	0	0	0	0	0
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	0	0	0	0	0	0
Desert conifer woodlands	100	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	100	0	0	0	0	0
Desert outcrop and badlands	32,000	400	0	0	40	400
North American warm desert bedrock cliff and outcrop	32,000	400	0	0	40	400
Desert Scrub	137,000	3,000	0	0	1,000	5,000
Intermontane deep or well-drained soil scrub	200	0	0	0	0	0
Intermontane seral shrubland	800	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	100,000	3,000	0	0	900	3,000
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	900	0	0	50	1,000
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	200	200
Dunes	4,000	0	0	0	0	0
North American warm desert dunes and sand flats	4,000	0	0	0	0	0
Riparian	1,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	13,000	0	0	0	0	0
Arid West freshwater emergent marsh	10	0	0	0	0	0
Open Water	10	0	0	0	0	0
Playa	200	0	0	0	0	0
Southwestern North American salt basin and high marsh	12,000	0	0	0	0	0
Other Land Cover	2,000	20	0	0	40	50
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	1,000	10	0	0	30	30
Not Mapped	10	0	0	0	0	0
Rural	400	10	0	0	10	20
Panamint Death Valley	**404,000**	**0**	**0**	**0**	**0**	**0**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	900	0	0	0	0	0
Desert outcrop and badlands	8,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	8,000	0	0	0	0	0
Desert Scrub	336,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	13,000	0	0	0	0	0
Intermontane seral shrubland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	5,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	0	0
Dunes	2,000	0	0	0	0	0
North American warm desert dunes and sand flats	2,000	0	0	0	0	0
Grassland	50	0	0	0	0	0
California Annual and Perennial Grassland	50	0	0	0	0	0
Riparian	6,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	0	0	0	0	0
Mojavean semi-desert wash scrub	1,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	10	0	0	0	0	0
Wetland	34,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	13,000	0	0	0	0	0
Other Land Cover	17,000	0	0	0	0	0

Table R.IV.7 - Alternative 2-11 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Developed and Disturbed Areas	17,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**2,000**	**100**	**0**	**1,000**	**4,000**
California forest and woodland	24,000	0	0	0	40	40
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	24,000	0	0	0	40	40
Chaparral and coastal scrub community (Cismontane scrub)	8,000	200	10	0	40	200
Californian xeric chaparral	3,000	0	0	0	0	0
Central and south coastal California seral scrub	20	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	6,000	200	10	0	30	200
Western Mojave and Western Sonoran Desert borderland chaparral	100	0	0	0	0	0
Desert conifer woodlands	20,000	200	10	0	40	200
Great Basin Pinyon - Juniper Woodland	20,000	200	10	0	40	200
Desert outcrop and badlands	27,000	0	0	0	20	20
North American warm desert bedrock cliff and outcrop	27,000	0	0	0	20	20
Desert Scrub	604,000	2,000	100	0	1,000	3,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	26,000	90	10	0	20	100
Intermontane seral shrubland	4,000	70	0	0	10	90
Inter-Mountain Dry Shrubland and Grassland	24,000	0	0	0	30	30
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	1,000	70	0	900	2,000
Mojave and Great Basin upper bajada and toeslope	82,000	400	20	0	200	600
Shadscale - saltbush cool semi-desert scrub	400	0	0	0	0	10
Dunes	3,000	0	0	0	0	0
North American warm desert dunes and sand flats	3,000	0	0	0	0	0
Grassland	20,000	0	0	0	100	100
California Annual and Perennial Grassland	20,000	0	0	0	100	100
California annual forb/grass vegetation	10	0	0	0	0	0
Riparian	11,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	7,000	30	0	0	50	90
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	20	0	0	40	60
Southwestern North American salt basin and high marsh	3,000	10	0	0	10	20
Other Land Cover	3,000	0	0	0	10	10
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	10	10
Rural	50	0	0	0	0	0
Piute Valley and Sacramento Mountains	**896,000**	**0**	**0**	**0**	**0**	**0**
Desert outcrop and badlands	402,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	402,000	0	0	0	0	0
Desert Scrub	420,000	0	0	0	0	0
Arizonan upland Sonoran desert scrub	600	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	1,000	0	0	0	0	0
Dunes	60	0	0	0	0	0
North American warm desert dunes and sand flats	60	0	0	0	0	0
Riparian	71,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	40	0	0	0	0	0
Wetland	400	0	0	0	0	0
Playa	400	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Not Mapped	0	0	0	0	0	0
Rural	10	0	0	0	0	0
Providence and Bullion Mountains	**1,416,000**	**300**	**0**	**0**	**400**	**700**
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	118,000	0	0	0	50	50
North American warm desert bedrock cliff and outcrop	118,000	0	0	0	50	50
Desert Scrub	1,198,000	300	0	0	200	500
Inter-Mountain Dry Shrubland and Grassland	18,000	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	300	0	0	200	500
Mojave and Great Basin upper bajada and toeslope	35,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	9,000	0	0	0	0	10
Dunes	8,000	0	0	0	0	0
North American warm desert dunes and sand flats	8,000	0	0	0	0	0
Riparian	50,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	0	0	0	0	0
Mojavean semi-desert wash scrub	100	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	700	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	38,000	10	0	0	50	60
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	10	0	0	50	60
Southwestern North American salt basin and high marsh	70	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0

Table R.IV.7 - Alternative 2-11 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	**Available Land (acres)**	**Solar Impacts (acres)**	**Wind Impacts (acres)**	**Geothermal Impacts (acres)**	**Transmission Impacts (acres)**	**Total Impacts (acres)**
West Mojave and Eastern Slopes	**839,000**	**1,000**	**0**	**0**	**200**	**1,000**
California forest and woodland	20,000	0	0	0	0	0
Californian broadleaf forest and woodland	11,000	0	0	0	0	0
Californian montane conifer forest	10,000	0	0	0	0	0
Chaparral and coastal scrub community (Cismontane scrub)	7,000	20	0	0	10	30
Californian mesic chaparral	500	0	0	0	0	0
Californian pre-montane chaparral	300	0	0	0	0	0
Californian xeric chaparral	2,000	0	0	0	0	0
Central and south coastal California seral scrub	0	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	4,000	20	0	0	0	20
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0
Desert conifer woodlands	20,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	20,000	0	0	0	0	0
Desert outcrop and badlands	2,000	30	0	0	0	30
North American warm desert bedrock cliff and outcrop	2,000	30	0	0	0	30
Desert Scrub	699,000	900	0	0	200	1,000
Intermontane deep or well-drained soil scrub	9,000	0	0	0	0	0
Intermontane seral shrubland	200	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	139,000	80	0	0	20	100
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	800	0	0	200	1,000
Mojave and Great Basin upper bajada and toeslope	18,000	40	0	0	10	40
Shadscale - saltbush cool semi-desert scrub	3,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	0	0	0	0	0	0
Dunes	700	0	0	0	0	0
North American warm desert dunes and sand flats	700	0	0	0	0	0
Grassland	5,000	10	0	0	0	10
California Annual and Perennial Grassland	4,000	10	0	0	0	10
California annual forb/grass vegetation	900	0	0	0	0	0
Riparian	4,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	400	0	0	0	0	0
Southwestern North American riparian/wash scrub	600	0	0	0	0	0
Wetland	78,000	10	0	0	0	10
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	60,000	10	0	0	0	10
Wetland	100	0	0	0	0	0
Other Land Cover	4,000	0	0	0	0	10
Agriculture	90	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	10
Rural	800	0	0	0	0	0

Table R.IV.7 - Alternative 2-12 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**2,159,000**	**1,120,000**	**8,000**	**600**	**1,863,000**	**86%**
Desert outcrop and badlands	498,000	206,000	1,000	100	431,000	87%
North American warm desert bedrock cliff and outcrop	498,000	206,000	1,000	100	431,000	87%
Desert Scrub	1,332,000	691,000	6,000	400	1,151,000	86%
Arizonan upland Sonoran desert scrub	1,000	200	0	0	900	88%
Intermontane deep or well-drained soil scrub	2,000	30	0	0	2,000	95%
Inter-Mountain Dry Shrubland and Grassland	30	10	0	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	682,000	6,000	400	1,139,000	87%
Shadscale - saltbush cool semi-desert scrub	12,000	8,000	100	0	9,000	72%
Dunes	19,000	8,000	100	0	13,000	68%
North American warm desert dunes and sand flats	19,000	8,000	100	0	13,000	68%
Grassland	1,000	0	0	0	0	0%
California Annual and Perennial Grassland	1,000	0	0	0	0	0%
California annual forb/grass vegetation	0	0	0	0	0	1%
Riparian	258,000	177,000	1,000	0	229,000	89%
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	137,000	800	0	164,000	95%
Mojavean semi-desert wash scrub	400	300	0	0	400	88%
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	39,000	200	0	65,000	78%
Southwestern North American riparian/wash scrub	200	0	0	0	0	2%
Wetland	45,000	37,000	200	90	37,000	82%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	11,000	100	0	12,000	83%
Open Water	10	0	0	0	0	84%
Playa	25,000	24,000	0	90	24,000	95%
Southwestern North American salt basin and high marsh	6,000	2,000	40	0	2,000	28%
Wetland	20	0	0	0	0	4%
Other Land Cover	6,000	800	100	0	1,000	19%
Agriculture	400	30	90	0	100	32%
Developed and Disturbed Areas	5,000	800	40	0	900	17%
Rural	100	60	20	0	80	77%
Imperial Borrego Valley	**685,000**	**383,000**	**2,000**	**0**	**437,000**	**64%**
Desert outcrop and badlands	94,000	64,000	1,000	0	77,000	82%
North American warm desert bedrock cliff and outcrop	94,000	64,000	1,000	0	77,000	82%
Desert Scrub	338,000	208,000	600	0	221,000	66%
Arizonan upland Sonoran desert scrub	100	100	0	0	100	94%
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	206,000	600	0	219,000	66%
Shadscale - saltbush cool semi-desert scrub	7,000	2,000	0	0	2,000	30%
Dunes	63,000	27,000	20	0	46,000	73%
North American warm desert dunes and sand flats	63,000	27,000	20	0	46,000	73%
Grassland	10	0	0	0	10	95%
California Annual and Perennial Grassland	10	0	0	0	10	95%
Riparian	178,000	81,000	400	0	89,000	50%
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	67,000	400	0	73,000	53%
Mojavean semi-desert wash scrub	200	200	0	0	200	91%
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	9,000	20	0	11,000	35%
Southwestern North American riparian/wash scrub	8,000	4,000	30	0	4,000	52%
Wetland	900	400	0	0	400	47%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	200	0	0	200	91%
Open Water	600	200	0	0	200	36%
Playa	50	0	0	0	0	4%
Other Land Cover	11,000	3,000	50	0	3,000	27%
Agriculture	5,000	2,000	40	0	2,000	34%
Developed and Disturbed Areas	4,000	600	10	0	600	17%
Not Mapped	700	200	0	0	200	26%
Rural	2,000	400	0	0	400	24%
Kingston and Funeral Mountains	**1,184,000**	**497,000**	**3,000**	**0**	**1,093,000**	**92%**
Desert conifer woodlands	10,000	3,000	10	0	9,000	95%
Great Basin Pinyon - Juniper Woodland	10,000	3,000	10	0	9,000	95%
Desert outcrop and badlands	11,000	9,000	40	0	11,000	95%
North American warm desert bedrock cliff and outcrop	11,000	9,000	40	0	11,000	95%
Desert Scrub	1,057,000	425,000	2,000	0	979,000	93%
Intermontane deep or well-drained soil scrub	1,000	500	0	0	1,000	95%
Intermontane seral shrubland	0	0	0	0	0	95%
Inter-Mountain Dry Shrubland and Grassland	10	10	0	0	10	95%
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	600	0	0	2,000	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	301,000	2,000	0	722,000	92%
Mojave and Great Basin upper bajada and toeslope	242,000	102,000	200	0	227,000	94%
Shadscale - saltbush cool semi-desert scrub	28,000	20,000	200	0	26,000	93%
Dunes	15,000	10,000	200	0	14,000	94%
North American warm desert dunes and sand flats	15,000	10,000	200	0	14,000	94%
Riparian	41,000	15,000	400	0	38,000	91%
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	13,000	200	0	36,000	91%
Mojavean semi-desert wash scrub	300	200	0	0	300	95%
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	1,000	200	0	1,000	95%
Wetland	47,000	36,000	60	0	43,000	91%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	19,000	40	0	24,000	89%
Playa	0	0	0	0	0	95%

Table R.IV.7 - Alternative 2-12 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Southwestern North American salt basin and high marsh	20,000	17,000	20	0	18,000	94%
Other Land Cover	3,000	0	0	0	30	1%
Agriculture	0	0	0	0	0	95%
Developed and Disturbed Areas	3,000	0	0	0	20	1%
Mojave and Silurian Valley	**971,000**	**452,000**	**3,000**	**0**	**887,000**	**91%**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	1,000	10	0	2,000	95%
Central and South Coastal Californian coastal sage scrub	3,000	1,000	10	0	2,000	95%
Desert outcrop and badlands	10,000	6,000	100	0	10,000	93%
North American warm desert bedrock cliff and outcrop	10,000	6,000	100	0	10,000	93%
Desert Scrub	883,000	403,000	3,000	0	808,000	92%
Intermontane deep or well-drained soil scrub	17,000	12,000	300	0	16,000	95%
Intermontane seral shrubland	800	700	0	0	700	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	373,000	2,000	0	753,000	91%
Mojave and Great Basin upper bajada and toeslope	24,000	8,000	50	0	22,000	94%
Shadscale - saltbush cool semi-desert scrub	18,000	9,000	30	0	16,000	88%
Southern Great Basin semi-desert grassland	50	40	0	0	40	82%
Dunes	12,000	8,000	10	0	11,000	94%
North American warm desert dunes and sand flats	12,000	8,000	10	0	11,000	94%
Grassland	4,000	3,000	10	0	4,000	94%
California Annual and Perennial Grassland	4,000	3,000	10	0	3,000	94%
California annual forb/grass vegetation	300	200	0	0	200	95%
Riparian	26,000	9,000	30	0	24,000	93%
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	5,000	0	0	19,000	92%
Mojavean semi-desert wash scrub	4,000	3,000	30	0	3,000	94%
Sonoran-Coloradan semi-desert wash woodland/scrub	400	400	0	0	400	95%
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	57%
Southwestern North American riparian/wash scrub	400	400	0	0	400	93%
Wetland	32,000	21,000	20	0	29,000	89%
Californian warm temperate marsh/seep	0	0	0	0	0	93%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	15,000	10	0	22,000	87%
Southwestern North American salt basin and high marsh	8,000	6,000	10	0	7,000	94%
Wetland	0	0	0	0	0	93%
Other Land Cover	2,000	0	10	0	10	0%
Agriculture	10	0	10	0	10	41%
Developed and Disturbed Areas	2,000	0	0	0	0	0%
Owens River Valley	**189,000**	**46,000**	**9,000**	**0**	**84,000**	**45%**
California forest and woodland	20	0	0	0	10	78%
Californian broadleaf forest and woodland	20	0	0	0	10	77%
Californian montane conifer forest	0	0	0	0	0	95%
Desert conifer woodlands	100	40	0	0	100	70%
Great Basin Pinyon - Juniper Woodland	100	40	0	0	100	70%
Desert outcrop and badlands	32,000	4,000	2,000	0	9,000	29%
North American warm desert bedrock cliff and outcrop	32,000	4,000	2,000	0	9,000	29%
Desert Scrub	137,000	34,000	4,000	0	63,000	46%
Intermontane deep or well-drained soil scrub	200	200	0	0	200	95%
Intermontane seral shrubland	800	0	0	0	0	1%
Inter-Mountain Dry Shrubland and Grassland	100,000	23,000	2,000	0	42,000	42%
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	100	0	0	800	16%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	8,000	200	0	14,000	72%
Shadscale - saltbush cool semi-desert scrub	11,000	3,000	3,000	0	5,000	48%
Dunes	4,000	3,000	800	0	4,000	87%
North American warm desert dunes and sand flats	4,000	3,000	800	0	4,000	87%
Riparian	1,000	300	0	0	900	68%
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	300	0	0	900	86%
Southwestern North American riparian/wash scrub	300	0	0	0	0	1%
Wetland	13,000	4,000	3,000	0	7,000	58%
Arid West freshwater emergent marsh	10	0	0	0	0	18%
Open Water	10	10	0	0	10	94%
Playa	200	0	100	0	100	49%
Southwestern North American salt basin and high marsh	12,000	4,000	2,000	0	7,000	58%
Other Land Cover	2,000	200	100	0	400	24%
Agriculture	10	10	0	0	10	86%
Developed and Disturbed Areas	1,000	100	90	0	200	18%
Not Mapped	10	10	0	0	10	81%
Rural	400	100	40	0	100	36%
Panamint Death Valley	**404,000**	**272,000**	**12,000**	**0**	**341,000**	**84%**
Chaparral and coastal scrub community (Cismontane scrub)	900	900	0	0	900	95%
Central and South Coastal Californian coastal sage scrub	900	900	0	0	900	95%
Desert outcrop and badlands	8,000	4,000	2,000	0	8,000	93%
North American warm desert bedrock cliff and outcrop	8,000	4,000	2,000	0	8,000	93%
Desert Scrub	336,000	245,000	9,000	0	309,000	92%
Intermontane deep or well-drained soil scrub	13,000	8,000	30	0	13,000	95%
Intermontane seral shrubland	30	30	0	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	230,000	9,000	0	285,000	93%
Mojave and Great Basin upper bajada and toeslope	5,000	1,000	0	0	4,000	95%
Shadscale - saltbush cool semi-desert scrub	11,000	6,000	800	0	7,000	66%
Dunes	2,000	1,000	0	0	1,000	95%

Table R.IV.7 - Alternative 2-12 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
North American warm desert dunes and sand flats	2,000	1,000	0	0	1,000	95%
Grassland	50	30	0	0	50	95%
California Annual and Perennial Grassland	50	30	0	0	50	95%
Riparian	6,000	4,000	100	0	6,000	93%
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	3,000	30	0	4,000	93%
Mojavean semi-desert wash scrub	1,000	800	100	0	1,000	95%
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	10	95%
Southwestern North American riparian/wash scrub	10	10	0	0	10	95%
Wetland	34,000	16,000	600	0	16,000	48%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	14,000	10	0	14,000	65%
Southwestern North American salt basin and high marsh	13,000	2,000	600	0	3,000	21%
Other Land Cover	17,000	0	0	0	0	0%
Developed and Disturbed Areas	17,000	0	0	0	0	0%
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**387,000**	**2,000**	**0**	**550,000**	**76%**
California forest and woodland	24,000	2,000	0	0	20,000	80%
Californian broadleaf forest and woodland	20	10	0	0	10	95%
Californian montane conifer forest	24,000	2,000	0	0	20,000	80%
Chaparral and coastal scrub community (Cismontane scrub)	8,000	5,000	0	0	7,000	85%
Californian xeric chaparral	3,000	300	0	0	2,000	92%
Central and south coastal California seral scrub	20	20	0	0	20	95%
Central and South Coastal Californian coastal sage scrub	6,000	4,000	0	0	5,000	83%
Western Mojave and Western Sonoran Desert borderland chaparral	100	20	0	0	40	32%
Desert conifer woodlands	20,000	4,000	0	0	17,000	85%
Great Basin Pinyon - Juniper Woodland	20,000	4,000	0	0	17,000	85%
Desert outcrop and badlands	27,000	7,000	10	0	23,000	84%
North American warm desert bedrock cliff and outcrop	27,000	7,000	10	0	23,000	84%
Desert Scrub	604,000	351,000	1,000	0	455,000	75%
Arizonan upland Sonoran desert scrub	1,000	1,000	0	0	1,000	92%
Intermontane deep or well-drained soil scrub	26,000	21,000	40	0	24,000	93%
Intermontane seral shrubland	4,000	3,000	0	0	3,000	85%
Inter-Mountain Dry Shrubland and Grassland	24,000	8,000	20	0	19,000	81%
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	90	0	0	300	80%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	255,000	1,000	0	332,000	71%
Mojave and Great Basin upper bajada and toeslope	82,000	62,000	70	0	74,000	90%
Shadscale - saltbush cool semi-desert scrub	400	200	0	0	300	63%
Dunes	3,000	3,000	0	0	3,000	88%
North American warm desert dunes and sand flats	3,000	3,000	0	0	3,000	88%
Grassland	20,000	6,000	0	0	16,000	79%
California Annual and Perennial Grassland	20,000	6,000	0	0	16,000	79%
California annual forb/grass vegetation	10	10	0	0	10	95%
Riparian	11,000	8,000	20	0	10,000	86%
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	1,000	0	0	2,000	71%
Mojavean semi-desert wash scrub	2,000	2,000	10	0	2,000	86%
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	5,000	10	0	6,000	91%
Southwestern North American riparian evergreen and deciduous woodland	10	10	0	0	10	84%
Southwestern North American riparian/wash scrub	300	100	0	0	300	93%
Wetland	7,000	600	0	0	600	9%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	100	0	0	100	3%
Southwestern North American salt basin and high marsh	3,000	500	0	0	500	18%
Other Land Cover	3,000	50	0	0	70	3%
Agriculture	0	0	0	0	0	0%
Developed and Disturbed Areas	2,000	30	0	0	50	2%
Rural	50	20	0	0	20	41%
Piute Valley and Sacramento Mountains	**896,000**	**470,000**	**4,000**	**0**	**844,000**	**94%**
Desert outcrop and badlands	402,000	140,000	1,000	0	379,000	94%
North American warm desert bedrock cliff and outcrop	402,000	140,000	1,000	0	379,000	94%
Desert Scrub	420,000	276,000	3,000	0	397,000	94%
Arizonan upland Sonoran desert scrub	600	0	0	0	600	94%
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	40	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	276,000	3,000	0	395,000	94%
Shadscale - saltbush cool semi-desert scrub	1,000	400	20	0	1,000	95%
Dunes	60	30	0	0	60	95%
North American warm desert dunes and sand flats	60	30	0	0	60	95%
Riparian	71,000	53,000	40	0	67,000	94%
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	53,000	40	0	67,000	94%
Southwestern North American riparian/wash scrub	40	30	0	0	40	95%
Wetland	400	70	0	0	400	95%
Playa	400	70	0	0	400	95%
Other Land Cover	3,000	600	0	0	600	20%
Developed and Disturbed Areas	3,000	600	0	0	600	20%
Not Mapped	0	0	0	0	0	95%
Rural	10	0	0	0	0	35%
Providence and Bullion Mountains	**1,416,000**	**707,000**	**4,000**	**0**	**1,300,000**	**92%**
Desert conifer woodlands	0	0	0	0	0	95%
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	95%
Desert outcrop and badlands	118,000	45,000	200	0	111,000	94%
North American warm desert bedrock cliff and outcrop	118,000	45,000	200	0	111,000	94%

Table R.IV.7 - Alternative 2-12 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	**Available Lands (acres)**	**NLCS (acres)**	**ACEC (acres)**	**Wildlife Allocation (acres)**	**Total Conservation (acres)**	**% of Available Lands**
Desert Scrub	1,198,000	599,000	4,000	0	1,101,000	92%
Inter-Mountain Dry Shrubland and Grassland	18,000	5,000	200	0	17,000	95%
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	200	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	569,000	3,000	0	1,045,000	92%
Mojave and Great Basin upper bajada and toeslope	35,000	20,000	0	0	30,000	85%
Shadscale - saltbush cool semi-desert scrub	9,000	5,000	200	0	9,000	92%
Dunes	8,000	4,000	0	0	7,000	92%
North American warm desert dunes and sand flats	8,000	4,000	0	0	7,000	92%
Riparian	50,000	26,000	300	0	47,000	94%
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	26,000	300	0	46,000	94%
Mojavean semi-desert wash scrub	100	20	0	0	100	95%
Sonoran-Coloradan semi-desert wash woodland/scrub	700	200	0	0	600	95%
Southwestern North American riparian/wash scrub	200	0	0	0	200	95%
Wetland	38,000	32,000	10	0	34,000	88%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	32,000	10	0	34,000	88%
Southwestern North American salt basin and high marsh	70	70	0	0	70	95%
Other Land Cover	3,000	0	0	0	10	0%
Developed and Disturbed Areas	3,000	0	0	0	10	0%
West Mojave and Eastern Slopes	**839,000**	**523,000**	**26,000**	**50**	**633,000**	**75%**
California forest and woodland	20,000	6,000	12,000	50	19,000	94%
Californian broadleaf forest and woodland	11,000	1,000	8,000	50	10,000	94%
Californian montane conifer forest	10,000	5,000	4,000	0	9,000	95%
Chaparral and coastal scrub community (Cismontane scrub)	7,000	3,000	1,000	0	5,000	68%
Californian mesic chaparral	500	200	300	0	500	90%
Californian pre-montane chaparral	300	40	300	0	300	95%
Californian xeric chaparral	2,000	2,000	500	0	2,000	90%
Central and south coastal California seral scrub	0	0	0	0	0	93%
Central and South Coastal Californian coastal sage scrub	4,000	1,000	10	0	2,000	49%
Western Mojave and Western Sonoran Desert borderland chaparral	70	60	0	0	60	77%
Desert conifer woodlands	20,000	9,000	1,000	0	17,000	86%
Great Basin Pinyon - Juniper Woodland	20,000	9,000	1,000	0	17,000	86%
Desert outcrop and badlands	2,000	1,000	300	0	2,000	88%
North American warm desert bedrock cliff and outcrop	2,000	1,000	300	0	2,000	88%
Desert Scrub	699,000	450,000	10,000	0	534,000	76%
Intermontane deep or well-drained soil scrub	9,000	4,000	400	0	5,000	64%
Intermontane seral shrubland	200	70	0	0	70	47%
Inter-Mountain Dry Shrubland and Grassland	139,000	85,000	600	0	130,000	93%
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	9,000	4,000	0	15,000	94%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	335,000	5,000	0	366,000	71%
Mojave and Great Basin upper bajada and toeslope	18,000	14,000	300	0	15,000	82%
Shadscale - saltbush cool semi-desert scrub	3,000	2,000	40	0	2,000	92%
Southern Great Basin semi-desert grassland	0	0	0	0	0	85%
Dunes	700	400	0	0	700	95%
North American warm desert dunes and sand flats	700	400	0	0	700	95%
Grassland	5,000	2,000	600	0	3,000	67%
California Annual and Perennial Grassland	4,000	2,000	600	0	3,000	71%
California annual forb/grass vegetation	900	500	0	0	500	50%
Riparian	4,000	3,000	300	0	3,000	79%
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	500	0	0	600	90%
Mojavean semi-desert wash scrub	2,000	2,000	60	0	2,000	70%
Sonoran-Coloradan semi-desert wash woodland/scrub	10	10	0	0	10	95%
Southwestern North American riparian evergreen and deciduous woodland	400	200	200	0	400	95%
Southwestern North American riparian/wash scrub	600	300	20	0	600	89%
Wetland	78,000	48,000	400	0	49,000	63%
Californian warm temperate marsh/seep	0	0	0	0	0	95%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	8,000	20	0	8,000	48%
Southwestern North American salt basin and high marsh	60,000	40,000	300	0	40,000	67%
Wetland	100	20	0	0	20	17%
Other Land Cover	4,000	800	20	0	800	21%
Agriculture	90	10	0	0	10	11%
Developed and Disturbed Areas	3,000	60	20	0	90	3%
Rural	800	700	0	0	700	93%

Table R.IV.7 - Alternative 3-13 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Cadiz Valley and Chocolate Mountains	**9,935,000**	**30,000**	**1,000**	**0**	**19,000**	**51,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,173,000	600	20	0	1,000	2,000
Flat-tailed horned lizard	200	0	0	0	0	0
Mojave fringe-toed lizard	512,000	2,000	80	0	1,000	3,000
Bird						
Bendire's thrasher	53,000	80	0	0	40	100
Burrowing owl	206,000	2,000	70	0	700	3,000
California black rail	700	0	0	0	0	0
Gila woodpecker	9,000	100	0	0	0	100
Golden eagle–foraging	1,345,000	4,000	200	0	2,000	6,000
Golden eagle–nesting	438,000	60	0	0	500	500
Greater sandhill crane	100	20	0	0	0	20
Least Bell's vireo	3,000	0	0	0	0	0
Mountain plover	400	50	0	0	0	50
Western yellow-billed cuckoo	0	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Fish						
Desert pupfish	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	506,000	300	10	0	200	500
Bighorn sheep – mountain habitat	747,000	0	0	0	600	600
California leaf-nosed bat	1,300,000	7,000	300	0	4,000	11,000
Pallid bat	2,020,000	7,000	300	0	5,000	12,000
Townsend's big-eared bat	1,622,000	7,000	300	0	4,000	12,000
Imperial Borrego Valley	**2,804,000**	**41,000**	**100**	**24,000**	**12,000**	**77,000**
Amphibian/Reptile						
Agassiz's desert tortoise	72,000	0	0	0	100	100
Flat-tailed horned lizard	428,000	9,000	10	5,000	3,000	17,000
Bird						
Bendire's thrasher	14,000	80	0	40	40	200
Burrowing owl	383,000	7,000	20	4,000	2,000	13,000
California black rail	31,000	600	0	400	100	1,000
Gila woodpecker	28,000	0	0	0	20	20
Golden eagle–foraging	143,000	200	0	100	100	400
Golden eagle–nesting	34,000	0	0	0	10	10
Greater sandhill crane	3,000	200	0	100	50	400
Least Bell's vireo	2,000	0	0	0	0	0
Mountain plover	4,000	200	0	100	70	400
Southwestern willow flycatcher	9,000	300	30	20	30	400
Swainson's hawk	8,000	600	0	400	100	1,000
Tricolored blackbird	20	0	0	0	0	0
Western yellow-billed cuckoo	400	20	0	0	0	20
Yuma clapper rail	5,000	10	0	0	0	10
Fish						
Desert pupfish	300	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	24,000	0	0	0	0	0
Bighorn sheep – mountain habitat	98,000	10	0	0	100	100
California leaf-nosed bat	387,000	6,000	10	3,000	2,000	11,000
Pallid bat	618,000	9,000	10	5,000	3,000	18,000
Townsend's big-eared bat	512,000	8,000	10	5,000	2,000	15,000
Plant						
Little San Bernardino Mountains linanthus	90	0	0	0	0	0
Kingston and Funeral Mountains	**5,895,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	862,000	0	0	0	0	0
Mojave fringe-toed lizard	2,000	0	0	0	0	0
Bird						
Bendire's thrasher	149,000	0	0	0	0	0
Burrowing owl	48,000	0	0	0	0	0
Golden eagle–foraging	927,000	0	0	0	0	0
Golden eagle–nesting	364,000	0	0	0	0	0
Least Bell's vireo	23,000	0	0	0	0	0

Table R.IV.7 - Alternative 3-13 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Western yellow-billed cuckoo	4,000	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	232,000	0	0	0	0	0
Bighorn sheep – mountain habitat	578,000	0	0	0	0	0
California leaf-nosed bat	486,000	0	0	0	0	0
Pallid bat	1,123,000	0	0	0	0	0
Townsend's big-eared bat	1,098,000	0	0	0	0	0
Mojave and Silurian Valley	**5,315,000**	**3,000**	**0**	**0**	**3,000**	**6,000**
Amphibian/Reptile						
Agassiz's desert tortoise	665,000	500	0	0	500	900
Mojave fringe-toed lizard	37,000	80	0	0	40	100
Bird						
Bendire's thrasher	30,000	0	0	0	10	10
Burrowing owl	156,000	100	0	0	200	300
Golden eagle–foraging	725,000	200	0	0	300	500
Golden eagle–nesting	235,000	0	0	0	60	60
Least Bell's vireo	4,000	0	0	0	0	0
Southwestern willow flycatcher	10	0	0	0	0	0
Swainson's hawk	60	0	0	0	0	0
Tricolored blackbird	500	0	0	0	0	0
Western yellow-billed cuckoo	6,000	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	474,000	80	0	0	200	300
Bighorn sheep – mountain habitat	180,000	0	0	0	10	10
California leaf-nosed bat	782,000	600	0	0	400	1,000
Mohave ground squirrel	182,000	0	0	0	90	90
Pallid bat	925,000	600	0	0	500	1,000
Townsend's big-eared bat	898,000	600	0	0	500	1,000
Plant						
Barstow woolly sunflower	80	0	0	0	0	0
Desert cymopterus	300	0	0	0	0	0
Mojave monkeyflower	15,000	10	0	0	10	10
Owens River Valley	**866,000**	**6,000**	**0**	**6,000**	**2,000**	**14,000**
Amphibian/Reptile						
Agassiz's desert tortoise	35,000	900	0	900	200	2,000
Bird						
Bendire's thrasher	600	10	0	10	0	10
Burrowing owl	34,000	400	0	400	100	900
California condor	5,000	90	0	90	30	200
Golden eagle–foraging	138,000	800	0	700	300	2,000
Golden eagle–nesting	18,000	20	0	20	10	60
Least Bell's vireo	900	10	0	10	0	20
Southwestern willow flycatcher	22,000	700	0	600	100	1,000
Swainson's hawk	55,000	400	0	400	100	800
Western yellow-billed cuckoo	7,000	0	0	0	0	0
Fish						
Owens pupfish	4,000	0	0	0	20	20
Owens tui chub	4,000	0	0	0	20	20
Mammal						
Bighorn sheep – inter-mountain habitat	12,000	90	0	90	10	200
Bighorn sheep – mountain habitat	61,000	0	0	0	50	50
Mohave ground squirrel	94,000	1,000	0	900	200	2,000
Pallid bat	170,000	1,000	0	1,000	500	2,000
Townsend's big-eared bat	143,000	800	0	800	400	2,000
Plant						
Alkali mariposa-lily	20	0	0	0	0	0
Mojave tarplant	8,000	60	0	60	50	200
Owens Valley checkerbloom	55,000	0	0	0	60	70
Panamint Death Valley	**1,758,000**	**3,000**	**0**	**0**	**3,000**	**6,000**
Amphibian/Reptile						
Agassiz's desert tortoise	162,000	50	0	0	500	500
Bird						
Bendire's thrasher	0	0	0	0	0	0
Burrowing owl	37,000	400	0	0	90	500

Table R.IV.7 - Alternative 3-13 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
California condor	1,000	0	0	0	0	0
Golden eagle–foraging	224,000	20	0	0	400	500
Golden eagle–nesting	110,000	0	0	0	200	200
Least Bell's vireo	600	0	0	0	0	0
Swainson's hawk	40	0	0	0	0	0
Tricolored blackbird	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	252,000	1,000	0	0	400	2,000
Bighorn sheep – mountain habitat	143,000	40	0	0	0	40
California leaf-nosed bat	500	0	0	0	0	0
Mohave ground squirrel	119,000	400	0	0	300	700
Pallid bat	347,000	100	0	0	500	600
Townsend's big-eared bat	361,000	500	0	0	500	900
Plant						
Mojave monkeyflower	1,000	0	0	0	60	60
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**13,000**	**2,000**	**0**	**8,000**	**23,000**
Amphibian/Reptile						
Agassiz's desert tortoise	454,000	2,000	300	0	1,000	3,000
Mojave fringe-toed lizard	13,000	0	0	0	50	50
Bird						
Bendire's thrasher	158,000	700	80	0	200	1,000
Burrowing owl	195,000	2,000	200	0	600	3,000
California condor	1,000	0	0	0	30	30
Golden eagle–foraging	566,000	1,000	100	0	1,000	3,000
Golden eagle–nesting	358,000	70	10	0	600	700
Least Bell's vireo	17,000	10	0	0	10	30
Southwestern willow flycatcher	5,000	0	0	0	60	60
Swainson's hawk	0	0	0	0	0	0
Tricolored blackbird	9,000	0	0	0	40	40
Western yellow-billed cuckoo	800	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	111,000	200	30	0	200	500
Bighorn sheep – mountain habitat	522,000	800	90	0	1,000	2,000
California leaf-nosed bat	102,000	0	0	0	0	0
Mohave ground squirrel	6,000	300	40	0	50	400
Pallid bat	704,000	2,000	300	0	1,000	4,000
Townsend's big-eared bat	662,000	2,000	300	0	1,000	4,000
Plant						
Alkali mariposa-lily	1,000	50	10	0	10	60
Little San Bernardino Mountains linanthus	80,000	300	30	0	10	300
Mojave monkeyflower	92,000	70	10	0	100	200
Mojave tarplant	600	0	0	0	0	0
Parish's daisy	85,000	600	70	0	100	800
Triple-ribbed milk-vetch	4,000	0	0	0	0	0
Piute Valley and Sacramento Mountains	**4,074,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	722,000	0	0	0	0	0
Mojave fringe-toed lizard	50	0	0	0	0	0
Bird						
Bendire's thrasher	122,000	0	0	0	0	0
Burrowing owl	2,000	0	0	0	0	0
California black rail	40	0	0	0	0	0
Golden eagle–foraging	703,000	0	0	0	0	0
Golden eagle–nesting	294,000	0	0	0	0	0
Least Bell's vireo	4,000	0	0	0	0	0
Western yellow-billed cuckoo	300	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	105,000	0	0	0	0	0
Bighorn sheep – mountain habitat	491,000	0	0	0	0	0
California leaf-nosed bat	351,000	0	0	0	0	0
Pallid bat	896,000	0	0	0	0	0
Townsend's big-eared bat	382,000	0	0	0	0	0
Providence and Bullion Mountains	**7,519,000**	**4,000**	**0**	**0**	**2,000**	**6,000**

Table R.IV.7 - Alternative 3-13 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Amphibian/Reptile						
Agassiz's desert tortoise	1,052,000	500	0	0	300	900
Mojave fringe-toed lizard	167,000	400	0	0	300	700
Bird						
Bendire's thrasher	151,000	0	0	0	0	0
Burrowing owl	156,000	500	0	0	200	700
Golden eagle–foraging	931,000	300	0	0	100	400
Golden eagle–nesting	400,000	60	0	0	10	70
Least Bell's vireo	5,000	0	0	0	0	0
Western yellow-billed cuckoo	200	10	0	0	0	10
Mammal						
Bighorn sheep – inter-mountain habitat	319,000	400	0	0	80	500
Bighorn sheep – mountain habitat	743,000	0	0	0	0	0
California leaf-nosed bat	1,032,000	500	0	0	300	800
Pallid bat	1,371,000	500	0	0	300	900
Townsend's big-eared bat	1,191,000	1,000	0	0	400	1,000
Plant						
Mojave monkeyflower	0	0	0	0	0	0
West Mojave and Eastern Slopes	**4,855,000**	**20,000**	**500**	**0**	**2,000**	**23,000**
Amphibian/Reptile						
Agassiz's desert tortoise	604,000	2,000	50	0	300	3,000
Mojave fringe-toed lizard	600	0	0	0	0	0
Tehachapi slender salamander	7,000	0	0	0	0	0
Bird						
Bendire's thrasher	94,000	0	0	0	10	10
Burrowing owl	490,000	3,000	80	0	300	4,000
California condor	235,000	2,000	50	0	200	2,000
Golden eagle–foraging	515,000	1,000	30	0	200	1,000
Golden eagle–nesting	169,000	200	10	0	40	200
Least Bell's vireo	10,000	0	0	0	0	0
Mountain plover	4,000	70	0	0	0	80
Southwestern willow flycatcher	11,000	0	0	0	0	0
Swainson's hawk	49,000	2,000	70	0	40	2,000
Tricolored blackbird	4,000	200	10	0	0	200
Western yellow-billed cuckoo	600	0	0	0	0	0
Yuma clapper rail	50	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	208,000	0	0	0	60	60
Bighorn sheep – mountain habitat	5,000	0	0	0	10	10
California leaf-nosed bat	2,000	0	0	0	0	0
Mohave ground squirrel	599,000	3,000	90	0	300	4,000
Pallid bat	768,000	2,000	40	0	400	2,000
Townsend's big-eared bat	728,000	4,000	90	0	400	4,000
Plant						
Alkali mariposa-lily	300	20	0	0	0	20
Bakersfield cactus	77,000	50	0	0	0	50
Barstow woolly sunflower	72,000	40	0	0	0	40
Desert cymopterus	66,000	100	0	0	0	100
Mojave monkeyflower	9,000	0	0	0	10	10
Mojave tarplant	127,000	0	0	0	80	80
Owens Valley checkerbloom	300	0	0	0	0	0
Parish's daisy	50	0	0	0	0	0

Table R.IV.7 - Alternative 3-14 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**9,935,000**	**3,554,000**	**3,158,000**	**2,123,000**	**0**	**8,835,000**	**89%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,173,000	395,000	426,000	258,000	0	1,078,000	92%
Flat-tailed horned lizard	200	0	0	0	0	0	0%
Mojave fringe-toed lizard	512,000	145,000	147,000	169,000	0	460,000	90%
Bird							
Bendire's thrasher	53,000	9,000	23,000	11,000	0	43,000	81%
Burrowing owl	206,000	18,000	131,000	28,000	0	177,000	86%
California black rail	700	100	200	0	0	300	42%
Gila woodpecker	9,000	500	6,000	300	0	7,000	72%
Golden eagle–foraging	1,345,000	551,000	413,000	228,000	0	1,192,000	89%
Golden eagle–nesting	438,000	267,000	75,000	60,000	0	402,000	92%
Greater sandhill crane	100	0	0	0	0	0	4%
Least Bell's vireo	3,000	600	2,000	10	0	3,000	95%
Mountain plover	400	0	100	10	0	100	36%
Western yellow-billed cuckoo	0	0	0	0	0	0	56%
Yuma clapper rail	10	0	0	0	0	0	0%
Fish							
Desert pupfish	200	0	200	0	0	200	95%
Mammal							
Bighorn sheep – inter-mountain habitat	506,000	196,000	166,000	98,000	0	459,000	91%
Bighorn sheep – mountain habitat	747,000	391,000	202,000	104,000	0	697,000	93%
California leaf-nosed bat	1,300,000	386,000	427,000	306,000	0	1,119,000	86%
Pallid bat	2,020,000	707,000	635,000	443,000	0	1,785,000	88%
Townsend's big-eared bat	1,622,000	488,000	506,000	418,000	0	1,411,000	87%
Imperial Borrego Valley	**2,804,000**	**164,000**	**1,636,000**	**109,000**	**0**	**1,909,000**	**68%**
Amphibian/Reptile							
Agassiz's desert tortoise	72,000	3,000	55,000	4,000	0	63,000	87%
Flat-tailed horned lizard	428,000	36,000	233,000	15,000	0	284,000	66%
Bird							
Bendire's thrasher	14,000	100	8,000	1,000	0	10,000	70%
Burrowing owl	383,000	13,000	212,000	15,000	0	239,000	62%
California black rail	31,000	900	9,000	2,000	0	12,000	40%
Gila woodpecker	28,000	200	24,000	200	0	24,000	86%
Golden eagle–foraging	143,000	13,000	97,000	1,000	0	110,000	77%
Golden eagle–nesting	34,000	11,000	18,000	400	0	30,000	86%
Greater sandhill crane	3,000	0	700	90	0	700	24%
Least Bell's vireo	2,000	300	1,000	600	0	2,000	81%
Mountain plover	4,000	0	600	80	0	700	20%
Southwestern willow flycatcher	9,000	0	2,000	700	0	3,000	33%
Swainson's hawk	8,000	0	200	500	0	700	9%
Tricolored blackbird	20	0	0	0	0	0	0%
Western yellow-billed cuckoo	400	0	0	10	0	10	2%
Yuma clapper rail	5,000	20	1,000	500	0	2,000	34%
Fish							
Desert pupfish	300	20	90	0	0	100	33%
Mammal							
Bighorn sheep – inter-mountain habitat	24,000	0	21,000	90	0	21,000	90%
Bighorn sheep – mountain habitat	98,000	21,000	58,000	3,000	0	82,000	84%
California leaf-nosed bat	387,000	13,000	228,000	19,000	0	260,000	67%
Pallid bat	618,000	33,000	364,000	24,000	0	421,000	68%
Townsend's big-eared bat	512,000	20,000	304,000	21,000	0	345,000	67%
Plant							
Little San Bernardino Mountains linanthus	90	0	0	80	0	80	92%
Kingston and Funeral Mountains	**5,895,000**	**3,113,000**	**1,955,000**	**273,000**	**0**	**5,340,000**	**91%**
Amphibian/Reptile							
Agassiz's desert tortoise	862,000	424,000	317,000	37,000	0	777,000	90%
Mojave fringe-toed lizard	2,000	2,000	0	0	0	2,000	91%
Bird							
Bendire's thrasher	149,000	49,000	64,000	18,000	0	131,000	88%
Burrowing owl	48,000	11,000	23,000	4,000	0	38,000	79%
Golden eagle–foraging	927,000	531,000	292,000	30,000	0	852,000	92%
Golden eagle–nesting	364,000	235,000	87,000	13,000	0	335,000	92%
Least Bell's vireo	23,000	10,000	7,000	2,000	0	19,000	86%
Western yellow-billed cuckoo	4,000	2,000	2,000	0	0	4,000	90%
Mammal							
Bighorn sheep – inter-mountain habitat	232,000	142,000	69,000	3,000	0	214,000	92%
Bighorn sheep – mountain habitat	578,000	343,000	170,000	19,000	0	532,000	92%
California leaf-nosed bat	486,000	232,000	163,000	46,000	0	440,000	91%
Pallid bat	1,123,000	584,000	380,000	48,000	0	1,012,000	90%
Townsend's big-eared bat	1,098,000	548,000	383,000	53,000	0	983,000	90%
Mojave and Silurian Valley	**5,315,000**	**2,334,000**	**749,000**	**1,487,000**	**0**	**4,569,000**	**86%**
Amphibian/Reptile							
Agassiz's desert tortoise	665,000	254,000	98,000	223,000	0	576,000	87%
Mojave fringe-toed lizard	37,000	6,000	3,000	15,000	0	24,000	64%
Bird							
Bendire's thrasher	30,000	8,000	2,000	14,000	0	24,000	78%
Burrowing owl	156,000	23,000	23,000	91,000	0	137,000	88%
Golden eagle–foraging	725,000	354,000	106,000	178,000	0	638,000	88%
Golden eagle–nesting	235,000	138,000	18,000	45,000	0	201,000	85%
Least Bell's vireo	4,000	500	500	1,000	0	2,000	63%
Southwestern willow flycatcher	10	0	0	0	0	0	0%
Swainson's hawk	60	20	0	10	0	30	59%
Tricolored blackbird	500	0	0	400	0	400	82%

Table R.IV.7 - Alternative 3-14 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Western yellow-billed cuckoo	6,000	600	2,000	1,000	0	4,000	61%
Mammal							
Bighorn sheep – inter-mountain habitat	474,000	240,000	55,000	110,000	0	405,000	85%
Bighorn sheep – mountain habitat	180,000	120,000	34,000	4,000	0	158,000	88%
California leaf-nosed bat	782,000	323,000	121,000	223,000	0	667,000	85%
Mohave ground squirrel	182,000	42,000	25,000	99,000	0	166,000	91%
Pallid bat	925,000	421,000	131,000	237,000	0	789,000	85%
Townsend's big-eared bat	898,000	398,000	124,000	243,000	0	765,000	85%
Plant							
Barstow woolly sunflower	80	60	10	10	0	80	95%
Desert cymopterus	300	300	0	0	0	300	95%
Mojave monkeyflower	15,000	5,000	7,000	1,000	0	14,000	93%
Owens River Valley	**866,000**	**140,000**	**177,000**	**50,000**	**0**	**367,000**	**42%**
Amphibian/Reptile							
Agassiz's desert tortoise	35,000	2,000	11,000	2,000	0	16,000	45%
Bird							
Bendire's thrasher	600	200	300	0	0	500	76%
Burrowing owl	34,000	1,000	10,000	7,000	0	18,000	52%
California condor	5,000	2,000	3,000	50	0	4,000	82%
Golden eagle–foraging	138,000	27,000	29,000	5,000	0	61,000	44%
Golden eagle–nesting	18,000	3,000	2,000	40	0	5,000	30%
Least Bell's vireo	900	300	20	90	0	400	44%
Southwestern willow flycatcher	22,000	2,000	6,000	1,000	0	9,000	44%
Swainson's hawk	55,000	5,000	8,000	4,000	0	18,000	33%
Western yellow-billed cuckoo	7,000	1,000	0	300	0	1,000	23%
Fish							
Owens pupfish	4,000	600	600	60	0	1,000	32%
Owens tui chub	4,000	600	600	50	0	1,000	32%
Mammal							
Bighorn sheep – inter-mountain habitat	12,000	6,000	5,000	30	0	11,000	89%
Bighorn sheep – mountain habitat	61,000	10,000	4,000	900	0	16,000	25%
Mohave ground squirrel	94,000	15,000	16,000	9,000	0	41,000	43%
Pallid bat	170,000	28,000	37,000	8,000	0	74,000	43%
Townsend's big-eared bat	143,000	22,000	37,000	9,000	0	68,000	48%
Plant							
Alkali mariposa-lily	20	0	10	0	0	20	95%
Mojave tarplant	8,000	600	4,000	200	0	5,000	62%
Owens Valley checkerbloom	55,000	12,000	2,000	2,000	0	17,000	30%
Panamint Death Valley	**1,758,000**	**258,000**	**691,000**	**565,000**	**0**	**1,515,000**	**86%**
Amphibian/Reptile							
Agassiz's desert tortoise	162,000	21,000	46,000	74,000	0	141,000	87%
Bird							
Bendire's thrasher	0	0	0	0	0	0	95%
Burrowing owl	37,000	2,000	11,000	7,000	0	20,000	54%
California condor	1,000	10	0	1,000	0	1,000	95%
Golden eagle–foraging	224,000	43,000	93,000	72,000	0	208,000	93%
Golden eagle–nesting	110,000	21,000	40,000	40,000	0	101,000	92%
Least Bell's vireo	600	20	500	20	0	500	91%
Swainson's hawk	40	0	0	40	0	40	95%
Tricolored blackbird	0	0	0	0	0	0	95%
Mammal							
Bighorn sheep – inter-mountain habitat	252,000	30,000	92,000	75,000	0	197,000	78%
Bighorn sheep – mountain habitat	143,000	25,000	80,000	27,000	0	131,000	92%
California leaf-nosed bat	500	300	30	100	0	400	89%
Mohave ground squirrel	119,000	6,000	16,000	67,000	0	89,000	75%
Pallid bat	347,000	56,000	156,000	101,000	0	313,000	90%
Townsend's big-eared bat	361,000	53,000	156,000	101,000	0	311,000	86%
Plant							
Mojave monkeyflower	1,000	200	20	400	0	600	59%
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**934,000**	**1,676,000**	**464,000**	**0**	**3,074,000**	**74%**
Amphibian/Reptile							
Agassiz's desert tortoise	454,000	59,000	201,000	39,000	0	299,000	66%
Mojave fringe-toed lizard	13,000	3,000	8,000	0	0	10,000	81%
Bird							
Bendire's thrasher	158,000	34,000	50,000	36,000	0	120,000	76%
Burrowing owl	195,000	10,000	83,000	15,000	0	108,000	55%
California condor	1,000	0	0	900	0	900	81%
Golden eagle–foraging	566,000	155,000	220,000	70,000	0	445,000	79%
Golden eagle–nesting	358,000	125,000	116,000	53,000	0	294,000	82%
Least Bell's vireo	17,000	9,000	3,000	2,000	0	14,000	82%
Southwestern willow flycatcher	5,000	1,000	300	3,000	0	4,000	92%
Swainson's hawk	0	0	0	0	0	0	29%
Tricolored blackbird	9,000	5,000	2,000	2,000	0	8,000	91%
Western yellow-billed cuckoo	800	0	0	800	0	800	94%
Mammal							
Bighorn sheep – inter-mountain habitat	111,000	700	27,000	4,000	0	32,000	29%
Bighorn sheep – mountain habitat	522,000	154,000	226,000	65,000	0	444,000	85%
California leaf-nosed bat	102,000	24,000	69,000	80	0	94,000	92%
Mohave ground squirrel	6,000	0	300	1,000	0	1,000	24%
Pallid bat	704,000	157,000	285,000	77,000	0	519,000	74%
Townsend's big-eared bat	662,000	135,000	270,000	73,000	0	479,000	72%
Plant							
Alkali mariposa-lily	1,000	0	700	0	0	700	56%
Little San Bernardino Mountains linanthus	80,000	6,000	35,000	900	0	42,000	52%

Table R.IV.7 - Alternative 3-14 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Mojave monkeyflower	92,000	17,000	49,000	14,000	0	81,000	88%
Mojave tarplant	600	400	0	100	0	500	92%
Parish's daisy	85,000	34,000	30,000	7,000	0	71,000	83%
Triple-ribbed milk-vetch	4,000	4,000	0	0	0	4,000	91%
Piute Valley and Sacramento Mountains	**4,074,000**	**1,731,000**	**1,590,000**	**44,000**	**0**	**3,364,000**	**83%**
Amphibian/Reptile							
Agassiz's desert tortoise	722,000	237,000	360,000	8,000	0	606,000	84%
Mojave fringe-toed lizard	50	0	0	0	0	0	0%
Bird							
Bendire's thrasher	122,000	61,000	42,000	2,000	0	105,000	86%
Burrowing owl	2,000	50	1,000	20	0	1,000	72%
California black rail	40	30	0	0	0	30	88%
Golden eagle–foraging	703,000	338,000	239,000	7,000	0	584,000	83%
Golden eagle–nesting	294,000	218,000	28,000	4,000	0	250,000	85%
Least Bell's vireo	4,000	600	3,000	20	0	4,000	83%
Western yellow-billed cuckoo	300	100	10	0	0	200	56%
Yuma clapper rail	10	10	0	0	0	10	95%
Mammal							
Bighorn sheep – inter-mountain habitat	105,000	19,000	60,000	2,000	0	81,000	77%
Bighorn sheep – mountain habitat	491,000	308,000	96,000	4,000	0	408,000	83%
California leaf-nosed bat	351,000	85,000	185,000	3,000	0	274,000	78%
Pallid bat	896,000	370,000	370,000	9,000	0	749,000	84%
Townsend's big-eared bat	382,000	94,000	205,000	4,000	0	303,000	79%
Providence and Bullion Mountains	**7,519,000**	**3,344,000**	**2,822,000**	**627,000**	**0**	**6,792,000**	**90%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,052,000	444,000	424,000	91,000	0	959,000	91%
Mojave fringe-toed lizard	167,000	59,000	61,000	13,000	0	133,000	80%
Bird							
Bendire's thrasher	151,000	67,000	69,000	2,000	0	138,000	91%
Burrowing owl	156,000	43,000	43,000	35,000	0	121,000	77%
Golden eagle–foraging	931,000	458,000	345,000	56,000	0	859,000	92%
Golden eagle–nesting	400,000	274,000	82,000	18,000	0	374,000	93%
Least Bell's vireo	5,000	3,000	2,000	700	0	5,000	92%
Western yellow-billed cuckoo	200	0	0	0	0	0	0%
Mammal							
Bighorn sheep – inter-mountain habitat	319,000	91,000	174,000	19,000	0	284,000	89%
Bighorn sheep – mountain habitat	743,000	449,000	200,000	46,000	0	696,000	94%
California leaf-nosed bat	1,032,000	377,000	445,000	105,000	0	927,000	90%
Pallid bat	1,371,000	585,000	537,000	119,000	0	1,241,000	91%
Townsend's big-eared bat	1,191,000	494,000	439,000	122,000	0	1,056,000	89%
Plant							
Mojave monkeyflower	0	0	0	0	0	0	95%
West Mojave and Eastern Slopes	**4,855,000**	**542,000**	**1,160,000**	**2,093,000**	**72,000**	**3,867,000**	**80%**
Amphibian/Reptile							
Agassiz's desert tortoise	604,000	30,000	106,000	354,000	0	490,000	81%
Mojave fringe-toed lizard	600	70	0	30	0	90	17%
Tehachapi slender salamander	7,000	0	700	2,000	4,000	6,000	83%
Bird							
Bendire's thrasher	94,000	37,000	40,000	4,000	0	80,000	86%
Burrowing owl	490,000	23,000	77,000	280,000	90	379,000	77%
California condor	235,000	36,000	88,000	34,000	12,000	170,000	72%
Golden eagle–foraging	515,000	70,000	145,000	206,000	11,000	433,000	84%
Golden eagle–nesting	169,000	40,000	58,000	21,000	12,000	131,000	77%
Least Bell's vireo	10,000	3,000	2,000	1,000	600	7,000	76%
Mountain plover	4,000	80	500	1,000	0	2,000	46%
Southwestern willow flycatcher	11,000	3,000	2,000	2,000	2,000	8,000	78%
Swainson's hawk	49,000	1,000	3,000	16,000	0	20,000	41%
Tricolored blackbird	4,000	70	200	600	200	1,000	25%
Western yellow-billed cuckoo	600	0	0	50	0	50	8%
Yuma clapper rail	50	0	0	40	0	40	68%
Mammal							
Bighorn sheep – inter-mountain habitat	208,000	62,000	81,000	32,000	500	175,000	84%
Bighorn sheep – mountain habitat	5,000	0	500	600	0	1,000	22%
California leaf-nosed bat	2,000	700	400	900	0	2,000	89%
Mohave ground squirrel	599,000	41,000	105,000	340,000	0	487,000	81%
Pallid bat	768,000	82,000	182,000	342,000	12,000	618,000	81%
Townsend's big-eared bat	728,000	77,000	171,000	311,000	12,000	571,000	78%
Plant							
Alkali mariposa-lily	300	0	0	0	0	0	0%
Bakersfield cactus	77,000	3,000	41,000	9,000	2,000	55,000	71%
Barstow woolly sunflower	72,000	300	400	63,000	0	64,000	89%
Desert cymopterus	66,000	3,000	1,000	52,000	0	57,000	86%
Mojave monkeyflower	9,000	100	2,000	5,000	0	7,000	83%
Mojave tarplant	127,000	28,000	53,000	18,000	2,000	102,000	80%
Owens Valley checkerbloom	300	0	200	60	0	300	79%
Parish's daisy	50	0	0	0	0	0	0%

Table R.IV.7 - Alternative 3-15 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Cadiz Valley and Chocolate Mountains	**2,159,000**	**8,000**	**300**	**0**	**5,000**	**13,000**
Desert outcrop and badlands	498,000	2,000	60	0	900	2,000
North American warm desert bedrock cliff and outcrop	498,000	2,000	60	0	900	2,000
Desert Scrub	1,332,000	7,000	300	0	4,000	11,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	2,000	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	7,000	300	0	4,000	11,000
Shadscale - saltbush cool semi-desert scrub	12,000	0	0	0	10	10
Dunes	19,000	0	0	0	0	0
North American warm desert dunes and sand flats	19,000	0	0	0	0	0
Grassland	1,000	10	0	0	10	20
California Annual and Perennial Grassland	1,000	10	0	0	10	20
California annual forb/grass vegetation	0	0	0	0	0	0
Riparian	258,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	0	0	0	0	0
Mojavean semi-desert wash scrub	400	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	45,000	0	0	0	40	40
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	0	0	0	20	20
Open Water	10	0	0	0	0	0
Playa	25,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	6,000	0	0	0	20	20
Wetland	20	0	0	0	0	0
Other Land Cover	6,000	50	0	0	50	100
Agriculture	400	50	0	0	0	50
Developed and Disturbed Areas	5,000	0	0	0	50	50
Rural	100	0	0	0	0	0
Imperial Borrego Valley	**685,000**	**11,000**	**100**	**6,000**	**3,000**	**20,000**
Desert outcrop and badlands	94,000	700	0	400	700	2,000
North American warm desert bedrock cliff and outcrop	94,000	700	0	400	700	2,000
Desert Scrub	338,000	9,000	10	5,000	2,000	16,000
Arizonan upland Sonoran desert scrub	100	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	8,000	10	5,000	2,000	15,000
Shadscale - saltbush cool semi-desert scrub	7,000	500	0	300	100	900
Dunes	63,000	0	0	0	0	0
North American warm desert dunes and sand flats	63,000	0	0	0	0	0
Grassland	10	0	0	0	0	0
California Annual and Perennial Grassland	10	0	0	0	0	0
Riparian	178,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	0	0	0	0	0
Mojavean semi-desert wash scrub	200	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	8,000	0	0	0	0	0
Wetland	900	90	10	10	0	100
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	0	0	0	0
Open Water	600	90	10	10	0	100
Playa	50	0	0	0	0	0
Other Land Cover	11,000	1,000	100	300	200	2,000
Agriculture	5,000	300	0	200	100	700
Developed and Disturbed Areas	4,000	50	0	20	40	100
Not Mapped	700	900	100	0	0	1,000
Rural	2,000	90	0	50	30	200
Kingston and Funeral Mountains	**1,184,000**	**0**	**0**	**0**	**0**	**0**
Desert conifer woodlands	10,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	10,000	0	0	0	0	0
Desert outcrop and badlands	11,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	11,000	0	0	0	0	0
Desert Scrub	1,057,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	1,000	0	0	0	0	0
Intermontane seral shrubland	0	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	242,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	28,000	0	0	0	0	0
Dunes	15,000	0	0	0	0	0
North American warm desert dunes and sand flats	15,000	0	0	0	0	0
Riparian	41,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	0	0	0	0	0
Mojavean semi-desert wash scrub	300	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	0	0	0	0	0
Wetland	47,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	0	0	0	0	0
Playa	0	0	0	0	0	0
Southwestern North American salt basin and high marsh	20,000	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Mojave and Silurian Valley	**971,000**	**600**	**0**	**0**	**500**	**1,000**

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Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Chaparral and coastal scrub community (Cismontane scrub)	3,000	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	3,000	0	0	0	0	0
Desert outcrop and badlands	10,000	20	0	0	10	20
North American warm desert bedrock cliff and outcrop	10,000	20	0	0	10	20
Desert Scrub	883,000	600	0	0	500	1,000
Intermontane deep or well-drained soil scrub	17,000	0	0	0	10	10
Intermontane seral shrubland	800	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	500	0	0	500	1,000
Mojave and Great Basin upper bajada and toeslope	24,000	0	0	0	10	10
Shadscale - saltbush cool semi-desert scrub	18,000	60	0	0	0	60
Southern Great Basin semi-desert grassland	50	0	0	0	0	0
Dunes	12,000	0	0	0	0	0
North American warm desert dunes and sand flats	12,000	0	0	0	0	0
Grassland	4,000	0	0	0	0	0
California Annual and Perennial Grassland	4,000	0	0	0	0	0
California annual forb/grass vegetation	300	0	0	0	0	0
Riparian	26,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	0	0	0	0	0
Mojavean semi-desert wash scrub	4,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	400	0	0	0	0	0
Wetland	32,000	10	0	0	20	30
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	0	0	0	10	10
Southwestern North American salt basin and high marsh	8,000	10	0	0	10	10
Wetland	0	0	0	0	0	0
Other Land Cover	2,000	0	0	0	0	0
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	0	0
Owens River Valley	**189,000**	**1,000**	**0**	**1,000**	**500**	**2,000**
California forest and woodland	20	0	0	0	0	0
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	0	0	0	0	0	0
Desert conifer woodlands	100	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	100	0	0	0	0	0
Desert outcrop and badlands	32,000	100	0	100	10	200
North American warm desert bedrock cliff and outcrop	32,000	100	0	100	10	200
Desert Scrub	137,000	900	0	900	400	2,000
Intermontane deep or well-drained soil scrub	200	0	0	0	0	0
Intermontane seral shrubland	800	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	100,000	700	0	600	300	2,000
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	200	0	200	20	500
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	60	70
Dunes	4,000	0	0	0	0	0
North American warm desert dunes and sand flats	4,000	0	0	0	0	0
Riparian	1,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	13,000	0	0	0	0	0
Arid West freshwater emergent marsh	10	0	0	0	0	0
Open Water	10	0	0	0	0	0
Playa	200	0	0	0	0	0
Southwestern North American salt basin and high marsh	12,000	0	0	0	0	0
Other Land Cover	2,000	0	0	0	10	20
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	1,000	0	0	0	10	10
Not Mapped	10	0	0	0	0	0
Rural	400	0	0	0	0	10
Panamint Death Valley	**404,000**	**1,000**	**0**	**0**	**500**	**2,000**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	900	0	0	0	0	0
Desert outcrop and badlands	8,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	8,000	0	0	0	0	0
Desert Scrub	336,000	100	0	0	500	600
Intermontane deep or well-drained soil scrub	13,000	0	0	0	100	100
Intermontane seral shrubland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	50	0	0	300	400
Mojave and Great Basin upper bajada and toeslope	5,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	11,000	80	0	0	0	80
Dunes	2,000	0	0	0	0	0
North American warm desert dunes and sand flats	2,000	0	0	0	0	0
Grassland	50	0	0	0	0	0
California Annual and Perennial Grassland	50	0	0	0	0	0
Riparian	6,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	0	0	0	0	0
Mojavean semi-desert wash scrub	1,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	10	0	0	0	0	0
Wetland	34,000	300	0	0	0	300
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	200	0	0	0	200

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Southwestern North American salt basin and high marsh	13,000	200	0	0	0	200
Other Land Cover	17,000	1,000	0	0	0	1,000
Developed and Disturbed Areas	17,000	1,000	0	0	0	1,000
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**3,000**	**300**	**0**	**2,000**	**5,000**
California forest and woodland	24,000	0	0	0	40	40
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	24,000	0	0	0	40	40
Chaparral and coastal scrub community (Cismontane scrub)	8,000	80	10	0	40	100
Californian xeric chaparral	3,000	0	0	0	0	0
Central and south coastal California seral scrub	20	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	6,000	80	10	0	40	100
Western Mojave and Western Sonoran Desert borderland chaparral	100	0	0	0	0	0
Desert conifer woodlands	20,000	90	10	0	50	100
Great Basin Pinyon - Juniper Woodland	20,000	90	10	0	50	100
Desert outcrop and badlands	27,000	0	0	0	20	20
North American warm desert bedrock cliff and outcrop	27,000	0	0	0	20	20
Desert Scrub	604,000	2,000	300	0	1,000	4,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	26,000	40	10	0	20	70
Intermontane seral shrubland	4,000	40	0	0	20	60
Inter-Mountain Dry Shrubland and Grassland	24,000	0	0	0	30	30
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	2,000	200	0	1,000	3,000
Mojave and Great Basin upper bajada and toeslope	82,000	300	30	0	200	500
Shadscale - saltbush cool semi-desert scrub	400	10	0	0	0	10
Dunes	3,000	0	0	0	0	0
North American warm desert dunes and sand flats	3,000	0	0	0	0	0
Grassland	20,000	0	0	0	200	200
California Annual and Perennial Grassland	20,000	0	0	0	200	200
California annual forb/grass vegetation	10	0	0	0	0	0
Riparian	11,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	7,000	300	40	0	60	400
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	300	30	0	50	400
Southwestern North American salt basin and high marsh	3,000	60	10	0	10	80
Other Land Cover	3,000	0	0	0	10	10
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	10	10
Rural	50	0	0	0	0	0
Piute Valley and Sacramento Mountains	**896,000**	**0**	**0**	**0**	**0**	**0**
Desert outcrop and badlands	402,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	402,000	0	0	0	0	0
Desert Scrub	420,000	0	0	0	0	0
Arizonan upland Sonoran desert scrub	600	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	1,000	0	0	0	0	0
Dunes	60	0	0	0	0	0
North American warm desert dunes and sand flats	60	0	0	0	0	0
Riparian	71,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	40	0	0	0	0	0
Wetland	400	0	0	0	0	0
Playa	400	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Not Mapped	0	0	0	0	0	0
Rural	10	0	0	0	0	0
Providence and Bullion Mountains	**1,416,000**	**1,000**	**0**	**0**	**400**	**1,000**
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	118,000	20	0	0	60	70
North American warm desert bedrock cliff and outcrop	118,000	20	0	0	60	70
Desert Scrub	1,198,000	500	0	0	300	800
Inter-Mountain Dry Shrubland and Grassland	18,000	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	500	0	0	300	700
Mojave and Great Basin upper bajada and toeslope	35,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	9,000	40	0	0	0	40
Dunes	8,000	0	0	0	0	0
North American warm desert dunes and sand flats	8,000	0	0	0	0	0
Riparian	50,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	0	0	0	0	0
Mojavean semi-desert wash scrub	100	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	700	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	38,000	500	0	0	60	500
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	500	0	0	60	500

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Subarea General Community Natural Community	**Available Land (acres)**	**Solar Impacts (acres)**	**Wind Impacts (acres)**	**Geothermal Impacts (acres)**	**Transmission Impacts (acres)**	**Total Impacts (acres)**
Southwestern North American salt basin and high marsh	70	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
West Mojave and Eastern Slopes	**839,000**	**4,000**	**100**	**0**	**400**	**4,000**
California forest and woodland	20,000	0	0	0	0	0
Californian broadleaf forest and woodland	11,000	0	0	0	0	0
Californian montane conifer forest	10,000	0	0	0	0	0
Chaparral and coastal scrub community (Cismontane scrub)	7,000	10	0	0	10	30
Californian mesic chaparral	500	0	0	0	0	0
Californian pre-montane chaparral	300	0	0	0	0	0
Californian xeric chaparral	2,000	0	0	0	10	10
Central and south coastal California seral scrub	0	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	4,000	10	0	0	0	20
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0
Desert conifer woodlands	20,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	20,000	0	0	0	0	0
Desert outcrop and badlands	2,000	20	0	0	0	20
North American warm desert bedrock cliff and outcrop	2,000	20	0	0	0	20
Desert Scrub	699,000	2,000	40	0	400	2,000
Intermontane deep or well-drained soil scrub	9,000	0	0	0	10	10
Intermontane seral shrubland	200	10	0	0	0	10
Inter-Mountain Dry Shrubland and Grassland	139,000	0	0	0	40	40
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	2,000	40	0	300	2,000
Mojave and Great Basin upper bajada and toeslope	18,000	30	0	0	10	40
Shadscale - saltbush cool semi-desert scrub	3,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	0	0	0	0	0	0
Dunes	700	0	0	0	0	0
North American warm desert dunes and sand flats	700	0	0	0	0	0
Grassland	5,000	70	0	0	0	80
California Annual and Perennial Grassland	4,000	70	0	0	0	80
California annual forb/grass vegetation	900	0	0	0	0	0
Riparian	4,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	400	0	0	0	0	0
Southwestern North American riparian/wash scrub	600	0	0	0	0	0
Wetland	78,000	2,000	60	0	0	2,000
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	2,000	60	0	0	2,000
Southwestern North American salt basin and high marsh	60,000	200	10	0	0	200
Wetland	100	20	0	0	0	20
Other Land Cover	4,000	0	0	0	10	10
Agriculture	90	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Rural	800	0	0	0	0	0

Table R.IV.7 - Alternative 3-16 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**2,159,000**	**678,000**	**486,000**	**0**	**1,899,000**	**88%**
Desert outcrop and badlands	498,000	142,000	74,000	0	440,000	88%
North American warm desert bedrock cliff and outcrop	498,000	142,000	74,000	0	440,000	88%
Desert Scrub	1,332,000	394,000	327,000	0	1,175,000	88%
Arizonan upland Sonoran desert scrub	1,000	200	0	0	900	83%
Intermontane deep or well-drained soil scrub	2,000	0	30	0	2,000	95%
Inter-Mountain Dry Shrubland and Grassland	30	10	0	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	385,000	325,000	0	1,161,000	88%
Shadscale - saltbush cool semi-desert scrub	12,000	9,000	2,000	0	12,000	94%
Dunes	19,000	9,000	4,000	0	18,000	92%
North American warm desert dunes and sand flats	19,000	9,000	4,000	0	18,000	92%
Grassland	1,000	1,000	0	0	1,000	89%
California Annual and Perennial Grassland	1,000	1,000	0	0	1,000	89%
California annual forb/grass vegetation	0	0	0	0	0	0%
Riparian	258,000	119,000	52,000	0	222,000	86%
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	85,000	42,000	0	153,000	88%
Mojavean semi-desert wash scrub	400	50	200	0	400	83%
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	33,000	10,000	0	69,000	83%
Southwestern North American riparian/wash scrub	200	200	0	0	200	91%
Wetland	45,000	13,000	28,000	0	41,000	91%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	7,000	4,000	0	12,000	84%
Open Water	10	0	0	0	0	74%
Playa	25,000	100	24,000	0	24,000	95%
Southwestern North American salt basin and high marsh	6,000	6,000	0	0	6,000	95%
Wetland	20	0	0	0	0	5%
Other Land Cover	6,000	400	500	0	900	16%
Agriculture	400	100	10	0	100	36%
Developed and Disturbed Areas	5,000	200	400	0	700	13%
Rural	100	50	20	0	70	68%
Imperial Borrego Valley	**685,000**	**387,000**	**24,000**	**0**	**462,000**	**67%**
Desert outcrop and badlands	94,000	57,000	3,000	0	73,000	77%
North American warm desert bedrock cliff and outcrop	94,000	57,000	3,000	0	73,000	77%
Desert Scrub	338,000	188,000	16,000	0	217,000	64%
Arizonan upland Sonoran desert scrub	100	0	100	0	100	89%
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	188,000	16,000	0	216,000	66%
Shadscale - saltbush cool semi-desert scrub	7,000	600	0	0	600	9%
Dunes	63,000	24,000	100	0	43,000	68%
North American warm desert dunes and sand flats	63,000	24,000	100	0	43,000	68%
Grassland	10	0	0	0	10	76%
California Annual and Perennial Grassland	10	0	0	0	10	76%
Riparian	178,000	116,000	5,000	0	128,000	72%
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	90,000	2,000	0	98,000	70%
Mojavean semi-desert wash scrub	200	0	100	0	100	53%
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	22,000	2,000	0	25,000	83%
Southwestern North American riparian/wash scrub	8,000	4,000	500	0	5,000	54%
Wetland	900	60	300	0	300	36%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	200	0	200	90%
Open Water	600	60	40	0	100	16%
Playa	50	0	20	0	20	36%
Other Land Cover	11,000	1,000	100	0	1,000	11%
Agriculture	5,000	700	90	0	800	14%
Developed and Disturbed Areas	4,000	300	10	0	400	11%
Not Mapped	700	40	10	0	50	7%
Rural	2,000	10	0	0	10	1%
Kingston and Funeral Mountains	**1,184,000**	**409,000**	**57,000**	**0**	**1,059,000**	**89%**
Desert conifer woodlands	10,000	2,000	900	0	9,000	94%
Great Basin Pinyon - Juniper Woodland	10,000	2,000	900	0	9,000	94%
Desert outcrop and badlands	11,000	9,000	0	0	11,000	95%
North American warm desert bedrock cliff and outcrop	11,000	9,000	0	0	11,000	95%
Desert Scrub	1,057,000	357,000	45,000	0	955,000	90%
Intermontane deep or well-drained soil scrub	1,000	500	0	0	1,000	95%
Intermontane seral shrubland	0	0	0	0	0	48%
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	7%
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	600	0	0	2,000	94%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	271,000	24,000	0	713,000	91%
Mojave and Great Basin upper bajada and toeslope	242,000	70,000	21,000	0	216,000	89%
Shadscale - saltbush cool semi-desert scrub	28,000	15,000	1,000	0	22,000	78%
Dunes	15,000	4,000	4,000	0	12,000	79%
North American warm desert dunes and sand flats	15,000	4,000	4,000	0	12,000	79%
Riparian	41,000	12,000	2,000	0	37,000	89%
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	11,000	2,000	0	35,000	88%
Mojavean semi-desert wash scrub	300	100	100	0	300	95%
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	1,000	0	0	1,000	94%
Wetland	47,000	25,000	5,000	0	36,000	77%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	7,000	5,000	0	18,000	65%
Playa	0	0	0	0	0	95%
Southwestern North American salt basin and high marsh	20,000	17,000	0	0	18,000	92%

Table R.IV.7 - Alternative 3-16 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Other Land Cover	3,000	0	0	0	30	1%
Agriculture	0	0	0	0	0	95%
Developed and Disturbed Areas	3,000	0	0	0	20	1%
Mojave and Silurian Valley	**971,000**	**136,000**	**256,000**	**0**	**825,000**	**85%**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	600	400	0	2,000	89%
Central and South Coastal Californian coastal sage scrub	3,000	600	400	0	2,000	89%
Desert outcrop and badlands	10,000	1,000	4,000	0	8,000	83%
North American warm desert bedrock cliff and outcrop	10,000	1,000	4,000	0	8,000	83%
Desert Scrub	883,000	125,000	227,000	0	754,000	85%
Intermontane deep or well-drained soil scrub	17,000	600	11,000	0	16,000	91%
Intermontane seral shrubland	800	600	90	0	700	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	113,000	209,000	0	699,000	85%
Mojave and Great Basin upper bajada and toeslope	24,000	3,000	5,000	0	22,000	94%
Shadscale - saltbush cool semi-desert scrub	18,000	8,000	2,000	0	16,000	88%
Southern Great Basin semi-desert grassland	50	0	40	0	40	82%
Dunes	12,000	2,000	2,000	0	8,000	69%
North American warm desert dunes and sand flats	12,000	2,000	2,000	0	8,000	69%
Grassland	4,000	2,000	1,000	0	4,000	94%
California Annual and Perennial Grassland	4,000	2,000	900	0	3,000	94%
California annual forb/grass vegetation	300	100	100	0	200	95%
Riparian	26,000	3,000	4,000	0	22,000	85%
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	3,000	800	0	17,000	83%
Mojavean semi-desert wash scrub	4,000	300	3,000	0	3,000	94%
Sonoran-Coloradan semi-desert wash woodland/scrub	400	100	300	0	400	93%
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	56%
Southwestern North American riparian/wash scrub	400	0	300	0	300	84%
Wetland	32,000	2,000	17,000	0	27,000	83%
Californian warm temperate marsh/seep	0	0	0	0	0	92%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	2,000	11,000	0	20,000	82%
Southwestern North American salt basin and high marsh	8,000	90	6,000	0	7,000	87%
Wetland	0	0	0	0	0	0%
Other Land Cover	2,000	0	10	0	10	0%
Agriculture	10	0	10	0	10	41%
Developed and Disturbed Areas	2,000	0	0	0	0	0%
Owens River Valley	**189,000**	**45,000**	**12,000**	**0**	**86,000**	**45%**
California forest and woodland	20	0	0	0	10	78%
Californian broadleaf forest and woodland	20	0	0	0	10	77%
Californian montane conifer forest	0	0	0	0	0	95%
Desert conifer woodlands	100	40	0	0	100	72%
Great Basin Pinyon - Juniper Woodland	100	40	0	0	100	72%
Desert outcrop and badlands	32,000	4,000	2,000	0	9,000	29%
North American warm desert bedrock cliff and outcrop	32,000	4,000	2,000	0	9,000	29%
Desert Scrub	137,000	33,000	6,000	0	64,000	47%
Intermontane deep or well-drained soil scrub	200	200	0	0	200	95%
Intermontane seral shrubland	800	0	0	0	0	1%
Inter-Mountain Dry Shrubland and Grassland	100,000	22,000	3,000	0	43,000	43%
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	100	0	0	800	16%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	8,000	200	0	14,000	72%
Shadscale - saltbush cool semi-desert scrub	11,000	3,000	3,000	0	6,000	53%
Dunes	4,000	3,000	800	0	4,000	87%
North American warm desert dunes and sand flats	4,000	3,000	800	0	4,000	87%
Riparian	1,000	300	0	0	900	68%
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	300	0	0	900	86%
Southwestern North American riparian/wash scrub	300	0	0	0	0	2%
Wetland	13,000	4,000	3,000	0	7,000	58%
Arid West freshwater emergent marsh	10	0	0	0	0	18%
Open Water	10	0	10	0	10	82%
Playa	200	0	100	0	100	49%
Southwestern North American salt basin and high marsh	12,000	4,000	2,000	0	7,000	58%
Other Land Cover	2,000	200	200	0	400	23%
Agriculture	10	10	0	0	10	86%
Developed and Disturbed Areas	1,000	90	100	0	200	19%
Not Mapped	10	10	0	0	10	81%
Rural	400	50	70	0	100	30%
Panamint Death Valley	**404,000**	**172,000**	**106,000**	**0**	**336,000**	**83%**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	900	0	900	95%
Central and South Coastal Californian coastal sage scrub	900	0	900	0	900	95%
Desert outcrop and badlands	8,000	600	6,000	0	8,000	93%
North American warm desert bedrock cliff and outcrop	8,000	600	6,000	0	8,000	93%
Desert Scrub	336,000	153,000	96,000	0	303,000	90%
Intermontane deep or well-drained soil scrub	13,000	300	8,000	0	13,000	95%
Intermontane seral shrubland	30	0	30	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	150,000	83,000	0	279,000	91%
Mojave and Great Basin upper bajada and toeslope	5,000	50	1,000	0	4,000	93%
Shadscale - saltbush cool semi-desert scrub	11,000	2,000	4,000	0	7,000	66%
Dunes	2,000	1,000	30	0	1,000	92%
North American warm desert dunes and sand flats	2,000	1,000	30	0	1,000	92%
Grassland	50	0	30	0	50	95%

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Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
California Annual and Perennial Grassland	50	0	30	0	50	95%
Riparian	6,000	3,000	1,000	0	6,000	93%
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	2,000	700	0	4,000	93%
Mojavean semi-desert wash scrub	1,000	100	700	0	1,000	91%
Southwestern North American riparian evergreen and deciduous woodland	10	0	10	0	10	95%
Southwestern North American riparian/wash scrub	10	0	10	0	10	95%
Wetland	34,000	15,000	2,000	0	17,000	50%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	14,000	200	0	14,000	65%
Southwestern North American salt basin and high marsh	13,000	1,000	2,000	0	3,000	25%
Other Land Cover	17,000	0	0	0	0	0%
Developed and Disturbed Areas	17,000	0	0	0	0	0%
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**289,000**	**83,000**	**0**	**533,000**	**73%**
California forest and woodland	24,000	3,000	2,000	0	22,000	90%
Californian broadleaf forest and woodland	20	0	10	0	10	95%
Californian montane conifer forest	24,000	3,000	2,000	0	22,000	90%
Chaparral and coastal scrub community (Cismontane scrub)	8,000	1,000	2,000	0	6,000	69%
Californian xeric chaparral	3,000	200	30	0	2,000	91%
Central and south coastal California seral scrub	20	0	10	0	10	80%
Central and South Coastal Californian coastal sage scrub	6,000	900	2,000	0	3,000	58%
Western Mojave and Western Sonoran Desert borderland chaparral	100	80	0	0	100	77%
Desert conifer woodlands	20,000	2,000	2,000	0	17,000	84%
Great Basin Pinyon - Juniper Woodland	20,000	2,000	2,000	0	17,000	84%
Desert outcrop and badlands	27,000	8,000	1,000	0	26,000	93%
North American warm desert bedrock cliff and outcrop	27,000	8,000	1,000	0	26,000	93%
Desert Scrub	604,000	263,000	69,000	0	434,000	72%
Arizonan upland Sonoran desert scrub	1,000	200	0	0	400	29%
Intermontane deep or well-drained soil scrub	26,000	10,000	10,000	0	23,000	88%
Intermontane seral shrubland	4,000	200	2,000	0	3,000	68%
Inter-Mountain Dry Shrubland and Grassland	24,000	9,000	1,000	0	22,000	90%
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	60	60	0	300	87%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	203,000	40,000	0	320,000	69%
Mojave and Great Basin upper bajada and toeslope	82,000	40,000	15,000	0	66,000	80%
Shadscale - saltbush cool semi-desert scrub	400	200	40	0	300	69%
Dunes	3,000	2,000	0	0	2,000	66%
North American warm desert dunes and sand flats	3,000	2,000	0	0	2,000	66%
Grassland	20,000	3,000	6,000	0	18,000	89%
California Annual and Perennial Grassland	20,000	3,000	6,000	0	18,000	89%
California annual forb/grass vegetation	10	10	0	0	10	95%
Riparian	11,000	7,000	600	0	9,000	78%
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	400	10	0	800	36%
Mojavean semi-desert wash scrub	2,000	1,000	200	0	2,000	84%
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	5,000	300	0	6,000	91%
Southwestern North American riparian evergreen and deciduous woodland	10	0	10	0	10	80%
Southwestern North American riparian/wash scrub	300	0	100	0	300	93%
Wetland	7,000	70	300	0	400	6%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	60	300	0	300	9%
Southwestern North American salt basin and high marsh	3,000	10	60	0	70	3%
Other Land Cover	3,000	20	40	0	80	3%
Agriculture	0	0	0	0	0	0%
Developed and Disturbed Areas	2,000	20	30	0	60	3%
Rural	50	0	20	0	20	35%
Piute Valley and Sacramento Mountains	**896,000**	**370,000**	**9,000**	**0**	**749,000**	**84%**
Desert outcrop and badlands	402,000	94,000	5,000	0	336,000	84%
North American warm desert bedrock cliff and outcrop	402,000	94,000	5,000	0	336,000	84%
Desert Scrub	420,000	243,000	4,000	0	365,000	87%
Arizonan upland Sonoran desert scrub	600	0	0	0	600	94%
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	40	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	243,000	4,000	0	364,000	87%
Shadscale - saltbush cool semi-desert scrub	1,000	300	20	0	1,000	89%
Dunes	60	30	0	0	60	95%
North American warm desert dunes and sand flats	60	30	0	0	60	95%
Riparian	71,000	32,000	400	0	47,000	66%
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	32,000	400	0	47,000	66%
Southwestern North American riparian/wash scrub	40	30	0	0	40	85%
Wetland	400	30	0	0	300	84%
Playa	400	30	0	0	300	84%
Other Land Cover	3,000	400	0	0	400	15%
Developed and Disturbed Areas	3,000	400	0	0	400	15%
Not Mapped	0	0	0	0	0	95%
Rural	10	0	0	0	0	28%
Providence and Bullion Mountains	**1,416,000**	**542,000**	**130,000**	**0**	**1,260,000**	**89%**
Desert conifer woodlands	0	0	0	0	0	95%
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	95%
Desert outcrop and badlands	118,000	42,000	200	0	108,000	92%
North American warm desert bedrock cliff and outcrop	118,000	42,000	200	0	108,000	92%
Desert Scrub	1,198,000	473,000	113,000	0	1,084,000	90%
Inter-Mountain Dry Shrubland and Grassland	18,000	5,000	200	0	17,000	95%
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	200	95%

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Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	444,000	112,000	0	1,028,000	91%
Mojave and Great Basin upper bajada and toeslope	35,000	20,000	100	0	30,000	85%
Shadscale - saltbush cool semi-desert scrub	9,000	4,000	900	0	8,000	87%
Dunes	8,000	3,000	500	0	7,000	83%
North American warm desert dunes and sand flats	8,000	3,000	500	0	7,000	83%
Riparian	50,000	20,000	5,000	0	46,000	93%
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	20,000	5,000	0	45,000	93%
Mojavean semi-desert wash scrub	100	0	0	0	80	73%
Sonoran-Coloradan semi-desert wash woodland/scrub	700	100	50	0	600	94%
Southwestern North American riparian/wash scrub	200	0	0	0	200	95%
Wetland	38,000	3,000	11,000	0	15,000	40%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	3,000	11,000	0	15,000	40%
Southwestern North American salt basin and high marsh	70	70	0	0	70	95%
Other Land Cover	3,000	10	0	0	10	0%
Developed and Disturbed Areas	3,000	10	0	0	10	0%
West Mojave and Eastern Slopes	**839,000**	**183,000**	**385,000**	**12,000**	**664,000**	**79%**
California forest and woodland	20,000	3,000	3,000	9,000	16,000	81%
Californian broadleaf forest and woodland	11,000	300	2,000	6,000	9,000	86%
Californian montane conifer forest	10,000	3,000	1,000	3,000	7,000	75%
Chaparral and coastal scrub community (Cismontane scrub)	7,000	700	700	900	3,000	38%
Californian mesic chaparral	500	0	30	300	300	57%
Californian pre-montane chaparral	300	10	40	200	300	89%
Californian xeric chaparral	2,000	0	50	400	500	22%
Central and south coastal California seral scrub	0	0	0	0	0	0%
Central and South Coastal Californian coastal sage scrub	4,000	600	600	0	2,000	42%
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0%
Desert conifer woodlands	20,000	7,000	900	300	15,000	75%
Great Basin Pinyon - Juniper Woodland	20,000	7,000	900	300	15,000	75%
Desert outcrop and badlands	2,000	40	1,000	0	2,000	82%
North American warm desert bedrock cliff and outcrop	2,000	40	1,000	0	2,000	82%
Desert Scrub	699,000	171,000	319,000	2,000	565,000	81%
Intermontane deep or well-drained soil scrub	9,000	3,000	4,000	0	8,000	90%
Intermontane seral shrubland	200	30	20	0	60	36%
Inter-Mountain Dry Shrubland and Grassland	139,000	60,000	9,000	10	113,000	81%
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	7,000	2,000	2,000	13,000	81%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	96,000	292,000	0	413,000	80%
Mojave and Great Basin upper bajada and toeslope	18,000	5,000	10,000	0	16,000	89%
Shadscale - saltbush cool semi-desert scrub	3,000	80	2,000	0	2,000	65%
Southern Great Basin semi-desert grassland	0	0	0	0	0	85%
Dunes	700	100	200	0	700	94%
North American warm desert dunes and sand flats	700	100	200	0	700	94%
Grassland	5,000	500	1,000	500	2,000	49%
California Annual and Perennial Grassland	4,000	500	800	500	2,000	49%
California annual forb/grass vegetation	900	30	400	0	400	48%
Riparian	4,000	800	2,000	80	3,000	71%
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	20	200	0	300	44%
Mojavean semi-desert wash scrub	2,000	500	1,000	0	2,000	79%
Sonoran-Coloradan semi-desert wash woodland/scrub	10	10	0	0	10	95%
Southwestern North American riparian evergreen and deciduous woodland	400	80	100	80	300	71%
Southwestern North American riparian/wash scrub	600	100	40	0	400	68%
Wetland	78,000	600	57,000	0	58,000	74%
Californian warm temperate marsh/seep	0	0	0	0	0	0%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	400	4,000	0	5,000	26%
Southwestern North American salt basin and high marsh	60,000	200	52,000	0	53,000	88%
Wetland	100	0	10	0	10	4%
Other Land Cover	4,000	20	30	10	70	2%
Agriculture	90	10	10	0	20	21%
Developed and Disturbed Areas	3,000	10	10	10	50	2%
Rural	800	0	0	0	0	0%

Table R.IV.7 - Alternative 4-17 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	Available Lands (acres)	Solar Impact (acres)	Wind Impact (acres)	Geothermal Impact (acres)	Transmission Impact (acres)	Total Impact (acres)
Cadiz Valley and Chocolate Mountains	**9,933,000**	**99,000**	**8,000**	**0**	**47,000**	**154,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,172,000	4,000	400	0	3,000	8,000
Flat-tailed horned lizard	200	0	0	0	0	0
Mojave fringe-toed lizard	511,000	10,000	800	0	4,000	15,000
Bird						
Bendire's thrasher	53,000	200	20	0	100	300
Burrowing owl	206,000	5,000	400	0	2,000	7,000
California black rail	700	0	0	0	0	0
Gila woodpecker	9,000	40	0	0	0	40
Golden eagle–foraging	1,345,000	13,000	1,000	0	6,000	20,000
Golden eagle–nesting	438,000	400	40	0	1,000	2,000
Greater sandhill crane	100	20	0	0	0	20
Least Bell's vireo	3,000	0	0	0	0	0
Mountain plover	400	40	0	0	10	50
Western yellow-billed cuckoo	0	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Fish						
Desert pupfish	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	506,000	2,000	200	0	500	3,000
Bighorn sheep – mountain habitat	747,000	70	10	0	1,000	2,000
California leaf-nosed bat	1,300,000	20,000	2,000	0	9,000	30,000
Pallid bat	2,020,000	21,000	2,000	0	11,000	34,000
Townsend's big-eared bat	1,621,000	22,000	2,000	0	10,000	34,000
Imperial Borrego Valley	**2,804,000**	**7,000**	**0**	**17,000**	**5,000**	**29,000**
Amphibian/Reptile						
Agassiz's desert tortoise	72,000	0	0	0	60	60
Flat-tailed horned lizard	428,000	2,000	0	4,000	1,000	7,000
Bird						
Bendire's thrasher	14,000	0	0	20	20	40
Burrowing owl	383,000	1,000	0	3,000	800	5,000
California black rail	31,000	100	0	200	60	400
Gila woodpecker	28,000	0	0	0	10	10
Golden eagle–foraging	143,000	10	0	10	50	70
Golden eagle–nesting	34,000	0	0	0	0	0
Greater sandhill crane	3,000	0	0	10	20	30
Least Bell's vireo	2,000	0	0	0	0	0
Mountain plover	4,000	0	0	0	30	30
Southwestern willow flycatcher	9,000	0	0	0	10	20
Swainson's hawk	8,000	10	0	10	60	80
Tricolored blackbird	20	0	0	0	0	0
Western yellow-billed cuckoo	400	0	0	0	0	0
Yuma clapper rail	5,000	0	0	0	0	0
Fish						
Desert pupfish	300	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	24,000	0	0	0	0	0
Bighorn sheep – mountain habitat	98,000	0	0	0	50	60
California leaf-nosed bat	387,000	1,000	0	2,000	700	4,000
Pallid bat	618,000	2,000	0	4,000	1,000	7,000
Townsend's big-eared bat	512,000	1,000	0	4,000	900	6,000
Plant						
Little San Bernardino Mountains linanthus	90	0	0	0	0	0
Kingston and Funeral Mountains	**5,895,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	862,000	0	0	0	0	0
Mojave fringe-toed lizard	2,000	0	0	0	0	0
Bird						
Bendire's thrasher	149,000	0	0	0	0	0
Burrowing owl	48,000	0	0	0	0	0
Golden eagle–foraging	927,000	0	0	0	0	0
Golden eagle–nesting	364,000	0	0	0	0	0
Least Bell's vireo	23,000	0	0	0	0	0
Western yellow-billed cuckoo	4,000	0	0	0	0	0

Table R.IV.7 - Alternative 4-17 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Mammal						
Bighorn sheep – inter-mountain habitat	232,000	0	0	0	0	0
Bighorn sheep – mountain habitat	578,000	0	0	0	0	0
California leaf-nosed bat	486,000	0	0	0	0	0
Pallid bat	1,123,000	0	0	0	0	0
Townsend's big-eared bat	1,098,000	0	0	0	0	0
Mojave and Silurian Valley	**5,315,000**	**0**	**0**	**0**	**2,000**	**2,000**
Amphibian/Reptile						
Agassiz's desert tortoise	665,000	0	0	0	300	300
Mojave fringe-toed lizard	37,000	0	0	0	20	20
Bird						
Bendire's thrasher	30,000	0	0	0	0	0
Burrowing owl	156,000	0	0	0	90	90
Golden eagle–foraging	725,000	0	0	0	200	200
Golden eagle–nesting	235,000	0	0	0	30	30
Least Bell's vireo	4,000	0	0	0	0	0
Southwestern willow flycatcher	10	0	0	0	0	0
Swainson's hawk	60	0	0	0	0	0
Tricolored blackbird	500	0	0	0	0	0
Western yellow-billed cuckoo	6,000	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	474,000	0	0	0	100	100
Bighorn sheep – mountain habitat	180,000	0	0	0	10	10
California leaf-nosed bat	782,000	0	0	0	300	300
Mohave ground squirrel	182,000	0	0	0	50	50
Pallid bat	925,000	0	0	0	300	300
Townsend's big-eared bat	898,000	0	0	0	300	300
Plant						
Barstow woolly sunflower	80	0	0	0	0	0
Desert cymopterus	300	0	0	0	0	0
Mojave monkeyflower	15,000	0	0	0	10	10
Owens River Valley	**866,000**	**5,000**	**0**	**7,000**	**2,000**	**14,000**
Amphibian/Reptile						
Agassiz's desert tortoise	35,000	700	0	1,000	200	2,000
Bird						
Bendire's thrasher	600	10	0	10	0	10
Burrowing owl	34,000	300	0	400	100	900
California condor	5,000	70	0	100	40	200
Golden eagle–foraging	138,000	600	0	800	300	2,000
Golden eagle–nesting	18,000	20	0	20	20	60
Least Bell's vireo	900	10	0	10	0	20
Southwestern willow flycatcher	22,000	500	0	700	100	1,000
Swainson's hawk	55,000	300	0	400	100	800
Western yellow-billed cuckoo	7,000	0	0	0	0	0
Fish						
Owens pupfish	4,000	0	0	0	20	20
Owens tui chub	4,000	0	0	0	20	20
Mammal						
Bighorn sheep – inter-mountain habitat	12,000	70	0	100	10	200
Bighorn sheep – mountain habitat	61,000	0	0	0	60	60
Mohave ground squirrel	94,000	800	0	1,000	300	2,000
Pallid bat	170,000	800	0	1,000	500	2,000
Townsend's big-eared bat	143,000	700	0	900	500	2,000
Plant						
Alkali mariposa-lily	20	0	0	0	0	0
Mojave tarplant	8,000	50	0	60	50	200
Owens Valley checkerbloom	55,000	0	0	0	70	70
Panamint Death Valley	**1,758,000**	**3,000**	**0**	**0**	**1,000**	**4,000**
Amphibian/Reptile						
Agassiz's desert tortoise	162,000	200	0	0	200	400
Bird						
Bendire's thrasher	0	0	0	0	0	0
Burrowing owl	37,000	200	0	0	50	200
California condor	1,000	0	0	0	0	0
Golden eagle–foraging	224,000	70	0	0	200	300

Table R.IV.7 - Alternative 4-17 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	Available Lands (acres)	Solar Impact (acres)	Wind Impact (acres)	Geothermal Impact (acres)	Transmission Impact (acres)	Total Impact (acres)
Golden eagle–nesting	110,000	0	0	0	70	70
Least Bell's vireo	600	0	0	0	0	0
Swainson's hawk	40	0	0	0	0	0
Tricolored blackbird	0	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	252,000	700	0	0	200	900
Bighorn sheep – mountain habitat	143,000	10	0	0	0	10
California leaf-nosed bat	500	0	0	0	0	0
Mohave ground squirrel	119,000	600	0	0	200	700
Pallid bat	347,000	300	0	0	200	600
Townsend's big-eared bat	361,000	700	0	0	200	900
Plant						
Mojave monkeyflower	1,000	0	0	0	30	30
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**1,000**	**1,000**	**0**	**4,000**	**6,000**
Amphibian/Reptile						
Agassiz's desert tortoise	454,000	200	100	0	500	800
Mojave fringe-toed lizard	13,000	0	0	0	20	20
Bird						
Bendire's thrasher	158,000	100	80	0	100	300
Burrowing owl	195,000	90	70	0	300	500
California condor	1,000	0	0	0	20	20
Golden eagle–foraging	566,000	100	90	0	600	800
Golden eagle–nesting	358,000	20	10	0	300	300
Least Bell's vireo	17,000	0	0	0	0	0
Southwestern willow flycatcher	5,000	0	0	0	30	30
Swainson's hawk	0	0	0	0	0	0
Tricolored blackbird	9,000	0	0	0	20	20
Western yellow-billed cuckoo	800	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	111,000	30	20	0	100	200
Bighorn sheep – mountain habitat	522,000	100	80	0	500	700
California leaf-nosed bat	102,000	0	0	0	0	0
Mohave ground squirrel	6,000	50	40	0	10	100
Pallid bat	704,000	200	200	0	700	1,000
Townsend's big-eared bat	662,000	200	200	0	700	1,000
Plant						
Alkali mariposa-lily	1,000	10	10	0	0	20
Little San Bernardino Mountains linanthus	80,000	10	10	0	10	30
Mojave monkeyflower	92,000	10	0	0	50	60
Mojave tarplant	600	0	0	0	0	0
Parish's daisy	85,000	90	80	0	50	200
Triple-ribbed milk-vetch	4,000	0	0	0	0	0
Piute Valley and Sacramento Mountains	**4,074,000**	**0**	**0**	**0**	**0**	**0**
Amphibian/Reptile						
Agassiz's desert tortoise	722,000	0	0	0	0	0
Mojave fringe-toed lizard	50	0	0	0	0	0
Bird						
Bendire's thrasher	122,000	0	0	0	0	0
Burrowing owl	2,000	0	0	0	0	0
California black rail	40	0	0	0	0	0
Golden eagle–foraging	703,000	0	0	0	0	0
Golden eagle–nesting	294,000	0	0	0	0	0
Least Bell's vireo	4,000	0	0	0	0	0
Western yellow-billed cuckoo	300	0	0	0	0	0
Yuma clapper rail	10	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	105,000	0	0	0	0	0
Bighorn sheep – mountain habitat	491,000	0	0	0	0	0
California leaf-nosed bat	351,000	0	0	0	0	0
Pallid bat	896,000	0	0	0	0	0
Townsend's big-eared bat	382,000	0	0	0	0	0
Providence and Bullion Mountains	**7,519,000**	**1,000**	**0**	**0**	**900**	**2,000**
Amphibian/Reptile						
Agassiz's desert tortoise	1,052,000	200	0	0	200	300
Mojave fringe-toed lizard	167,000	20	0	0	100	200

Table R.IV.7 - Alternative 4-17 BLM LUPA Species Habitat Impacts by Subarea

Subarea *Taxa* Species	**Available Lands (acres)**	**Solar Impact (acres)**	**Wind Impact (acres)**	**Geothermal Impact (acres)**	**Transmission Impact (acres)**	**Total Impact (acres)**
Bird						
Bendire's thrasher	151,000	0	0	0	0	0
Burrowing owl	156,000	10	0	0	100	100
Golden eagle–foraging	931,000	100	0	0	60	200
Golden eagle–nesting	400,000	50	0	0	0	50
Least Bell's vireo	5,000	0	0	0	0	0
Western yellow-billed cuckoo	200	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	319,000	100	0	0	30	200
Bighorn sheep – mountain habitat	743,000	0	0	0	0	0
California leaf-nosed bat	1,032,000	200	0	0	100	300
Pallid bat	1,371,000	200	0	0	200	300
Townsend's big-eared bat	1,191,000	200	0	0	200	300
Plant						
Mojave monkeyflower	0	0	0	0	0	0
West Mojave and Eastern Slopes	**4,855,000**	**13,000**	**1,000**	**0**	**1,000**	**16,000**
Amphibian/Reptile						
Agassiz's desert tortoise	604,000	1,000	70	0	200	1,000
Mojave fringe-toed lizard	600	0	0	0	0	0
Tehachapi slender salamander	7,000	20	0	0	0	20
Bird						
Bendire's thrasher	94,000	100	10	0	0	100
Burrowing owl	490,000	2,000	100	0	100	2,000
California condor	235,000	1,000	100	0	50	2,000
Golden eagle–foraging	515,000	1,000	80	0	100	1,000
Golden eagle–nesting	169,000	400	30	0	10	400
Least Bell's vireo	10,000	0	0	0	0	0
Mountain plover	4,000	100	10	0	0	100
Southwestern willow flycatcher	11,000	0	0	0	0	0
Swainson's hawk	49,000	2,000	100	0	20	2,000
Tricolored blackbird	4,000	200	10	0	0	200
Western yellow-billed cuckoo	600	0	0	0	0	0
Yuma clapper rail	50	0	0	0	0	0
Mammal						
Bighorn sheep – inter-mountain habitat	208,000	0	0	0	20	20
Bighorn sheep – mountain habitat	5,000	0	0	0	10	10
California leaf-nosed bat	2,000	0	0	0	0	0
Mohave ground squirrel	599,000	2,000	100	0	200	2,000
Pallid bat	768,000	1,000	80	0	200	1,000
Townsend's big-eared bat	728,000	2,000	200	0	200	3,000
Plant						
Alkali mariposa-lily	300	20	0	0	0	20
Bakersfield cactus	77,000	600	50	0	0	600
Barstow woolly sunflower	72,000	0	0	0	10	10
Desert cymopterus	66,000	30	0	0	10	30
Mojave monkeyflower	9,000	30	0	0	0	30
Mojave tarplant	127,000	100	10	0	30	200
Owens Valley checkerbloom	300	0	0	0	0	0
Parish's daisy	50	0	0	0	0	0

Table R.IV.7 - Alternative 4-18 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**9,933,000**	**3,554,000**	**2,597,000**	**777,000**	**856,000**	**7,784,000**	**78%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,172,000	395,000	354,000	146,000	76,000	971,000	83%
Flat-tailed horned lizard	200	0	0	0	0	0	0%
Mojave fringe-toed lizard	511,000	145,000	99,000	36,000	120,000	399,000	78%
Bird							
Bendire's thrasher	53,000	9,000	21,000	5,000	200	35,000	67%
Burrowing owl	206,000	18,000	103,000	15,000	23,000	158,000	76%
California black rail	700	100	80	0	0	200	31%
Gila woodpecker	9,000	500	4,000	20	80	5,000	54%
Golden eagle–foraging	1,345,000	551,000	361,000	82,000	40,000	1,034,000	77%
Golden eagle–nesting	438,000	267,000	72,000	11,000	25,000	375,000	86%
Greater sandhill crane	100	0	0	0	0	0	0%
Least Bell's vireo	3,000	600	2,000	0	0	3,000	95%
Mountain plover	400	0	50	60	0	100	30%
Western yellow-billed cuckoo	0	0	0	0	0	0	56%
Yuma clapper rail	10	0	0	0	0	0	0%
Fish							
Desert pupfish	200	0	200	0	0	200	95%
Mammal							
Bighorn sheep – inter-mountain habitat	506,000	196,000	143,000	35,000	33,000	407,000	80%
Bighorn sheep – mountain habitat	747,000	391,000	174,000	26,000	91,000	681,000	91%
California leaf-nosed bat	1,300,000	386,000	339,000	119,000	90,000	934,000	72%
Pallid bat	2,020,000	707,000	518,000	168,000	177,000	1,570,000	78%
Townsend's big-eared bat	1,621,000	488,000	406,000	136,000	181,000	1,211,000	75%
Imperial Borrego Valley	**2,804,000**	**164,000**	**959,000**	**176,000**	**0**	**1,299,000**	**46%**
Amphibian/Reptile							
Agassiz's desert tortoise	72,000	3,000	16,000	4,000	0	23,000	32%
Flat-tailed horned lizard	428,000	36,000	202,000	36,000	0	274,000	64%
Bird							
Bendire's thrasher	14,000	100	8,000	2,000	0	10,000	70%
Burrowing owl	383,000	13,000	133,000	21,000	0	167,000	44%
California black rail	31,000	900	7,000	2,000	0	9,000	30%
Gila woodpecker	28,000	200	6,000	2,000	0	8,000	29%
Golden eagle–foraging	143,000	13,000	34,000	10	0	47,000	33%
Golden eagle–nesting	34,000	11,000	13,000	400	0	24,000	69%
Greater sandhill crane	3,000	0	400	300	0	700	22%
Least Bell's vireo	2,000	300	1,000	600	0	2,000	81%
Mountain plover	4,000	0	400	300	0	600	17%
Southwestern willow flycatcher	9,000	0	500	2,000	0	2,000	26%
Swainson's hawk	8,000	0	200	0	0	200	3%
Tricolored blackbird	20	0	0	0	0	0	0%
Western yellow-billed cuckoo	400	0	10	0	0	10	2%
Yuma clapper rail	5,000	20	700	600	0	1,000	24%
Fish							
Desert pupfish	300	20	90	0	0	100	33%
Mammal							
Bighorn sheep – inter-mountain habitat	24,000	0	12,000	0	0	12,000	50%
Bighorn sheep – mountain habitat	98,000	21,000	19,000	3,000	0	44,000	44%
California leaf-nosed bat	387,000	13,000	104,000	31,000	0	148,000	38%
Pallid bat	618,000	33,000	227,000	40,000	0	299,000	48%
Townsend's big-eared bat	512,000	20,000	175,000	33,000	0	228,000	44%
Plant							
Little San Bernardino Mountains linanthus	90	0	0	80	0	80	92%
Kingston and Funeral Mountains	**5,895,000**	**3,113,000**	**1,434,000**	**498,000**	**0**	**5,045,000**	**86%**
Amphibian/Reptile							
Agassiz's desert tortoise	862,000	424,000	244,000	69,000	0	737,000	85%
Mojave fringe-toed lizard	2,000	2,000	0	0	0	2,000	91%
Bird							
Bendire's thrasher	149,000	49,000	25,000	42,000	0	115,000	77%
Burrowing owl	48,000	11,000	12,000	12,000	0	35,000	72%
Golden eagle–foraging	927,000	531,000	225,000	57,000	0	813,000	88%
Golden eagle–nesting	364,000	235,000	73,000	18,000	0	326,000	90%
Least Bell's vireo	23,000	10,000	6,000	3,000	0	19,000	86%
Western yellow-billed cuckoo	4,000	2,000	2,000	0	0	4,000	90%
Mammal							
Bighorn sheep – inter-mountain habitat	232,000	142,000	60,000	7,000	0	208,000	90%
Bighorn sheep – mountain habitat	578,000	343,000	118,000	31,000	0	492,000	85%
California leaf-nosed bat	486,000	232,000	79,000	83,000	0	394,000	81%
Pallid bat	1,123,000	584,000	295,000	86,000	0	965,000	86%
Townsend's big-eared bat	1,098,000	548,000	298,000	90,000	0	936,000	85%
Mojave and Silurian Valley	**5,315,000**	**2,334,000**	**601,000**	**1,459,000**	**0**	**4,393,000**	**83%**
Amphibian/Reptile							
Agassiz's desert tortoise	665,000	254,000	73,000	225,000	0	552,000	83%
Mojave fringe-toed lizard	37,000	6,000	4,000	13,000	0	23,000	63%
Bird							
Bendire's thrasher	30,000	8,000	4,000	11,000	0	24,000	78%
Burrowing owl	156,000	23,000	20,000	92,000	0	136,000	87%
Golden eagle–foraging	725,000	354,000	82,000	175,000	0	611,000	84%
Golden eagle–nesting	235,000	138,000	26,000	42,000	0	207,000	88%
Least Bell's vireo	4,000	500	20	2,000	0	2,000	61%
Southwestern willow flycatcher	10	0	0	0	0	0	0%

Table R.IV.7 - Alternative 4-18 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	Total Acres in Available Lands (acres)	Existing Conservation (acres)	BLM LUPA Conservation Designations (acres)	Conservation Planning Areas (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Swainson's hawk	60	20	0	10	0	30	59%
Tricolored blackbird	500	0	0	400	0	400	82%
Western yellow-billed cuckoo	6,000	600	400	2,000	0	3,000	58%
Mammal							
Bighorn sheep – inter-mountain habitat	474,000	240,000	53,000	94,000	0	387,000	82%
Bighorn sheep – mountain habitat	180,000	120,000	25,000	10,000	0	156,000	86%
California leaf-nosed bat	782,000	323,000	86,000	222,000	0	631,000	81%
Mohave ground squirrel	182,000	42,000	36,000	90,000	0	168,000	92%
Pallid bat	925,000	421,000	95,000	236,000	0	752,000	81%
Townsend's big-eared bat	898,000	398,000	90,000	239,000	0	728,000	81%
Plant							
Barstow woolly sunflower	80	60	10	10	0	80	95%
Desert cymopterus	300	300	0	0	0	300	95%
Mojave monkeyflower	15,000	5,000	5,000	4,000	0	14,000	94%
Owens River Valley	**866,000**	**140,000**	**120,000**	**68,000**	**0**	**327,000**	**38%**
Amphibian/Reptile							
Agassiz's desert tortoise	35,000	2,000	5,000	7,000	0	14,000	41%
Bird							
Bendire's thrasher	600	200	200	30	0	500	76%
Burrowing owl	34,000	1,000	8,000	3,000	0	13,000	37%
California condor	5,000	2,000	2,000	700	0	4,000	82%
Golden eagle–foraging	138,000	27,000	20,000	10,000	0	57,000	41%
Golden eagle–nesting	18,000	3,000	2,000	400	0	5,000	30%
Least Bell's vireo	900	300	30	30	0	300	38%
Southwestern willow flycatcher	22,000	2,000	3,000	3,000	0	8,000	39%
Swainson's hawk	55,000	5,000	7,000	3,000	0	15,000	27%
Western yellow-billed cuckoo	7,000	1,000	0	100	0	1,000	20%
Fish							
Owens pupfish	4,000	600	80	500	0	1,000	29%
Owens tui chub	4,000	600	80	500	0	1,000	29%
Mammal							
Bighorn sheep – inter-mountain habitat	12,000	6,000	5,000	100	0	11,000	89%
Bighorn sheep – mountain habitat	61,000	10,000	3,000	2,000	0	15,000	24%
Mohave ground squirrel	94,000	15,000	14,000	5,000	0	34,000	36%
Pallid bat	170,000	28,000	23,000	15,000	0	67,000	39%
Townsend's big-eared bat	143,000	22,000	23,000	15,000	0	60,000	42%
Plant							
Alkali mariposa-lily	20	0	10	0	0	20	95%
Mojave tarplant	8,000	600	2,000	2,000	0	5,000	62%
Owens Valley checkerbloom	55,000	12,000	1,000	700	0	14,000	26%
Panamint Death Valley	**1,758,000**	**258,000**	**711,000**	**543,000**	**0**	**1,512,000**	**86%**
Amphibian/Reptile							
Agassiz's desert tortoise	162,000	21,000	50,000	70,000	0	141,000	87%
Bird							
Bendire's thrasher	0	0	0	0	0	0	95%
Burrowing owl	37,000	2,000	12,000	6,000	0	20,000	53%
California condor	1,000	10	0	1,000	0	1,000	95%
Golden eagle–foraging	224,000	43,000	94,000	71,000	0	208,000	93%
Golden eagle–nesting	110,000	21,000	40,000	40,000	0	101,000	92%
Least Bell's vireo	600	20	500	20	0	500	91%
Swainson's hawk	40	0	0	40	0	40	95%
Tricolored blackbird	0	0	0	0	0	0	95%
Mammal							
Bighorn sheep – inter-mountain habitat	252,000	30,000	94,000	72,000	0	196,000	78%
Bighorn sheep – mountain habitat	143,000	25,000	81,000	26,000	0	131,000	92%
California leaf-nosed bat	500	300	30	100	0	400	90%
Mohave ground squirrel	119,000	6,000	19,000	63,000	0	88,000	74%
Pallid bat	347,000	56,000	159,000	97,000	0	313,000	90%
Townsend's big-eared bat	361,000	53,000	160,000	97,000	0	310,000	86%
Plant							
Mojave monkeyflower	1,000	200	20	400	0	600	59%
Pinto Lucerne Valley and Eastern Slopes	**4,147,000**	**934,000**	**1,481,000**	**470,000**	**400**	**2,885,000**	**70%**
Amphibian/Reptile							
Agassiz's desert tortoise	454,000	59,000	166,000	43,000	60	267,000	59%
Mojave fringe-toed lizard	13,000	3,000	7,000	300	0	10,000	78%
Bird							
Bendire's thrasher	158,000	34,000	51,000	25,000	40	110,000	70%
Burrowing owl	195,000	10,000	66,000	16,000	0	92,000	47%
California condor	1,000	0	0	900	0	900	80%
Golden eagle–foraging	566,000	155,000	204,000	68,000	0	427,000	75%
Golden eagle–nesting	358,000	125,000	112,000	53,000	50	291,000	81%
Least Bell's vireo	17,000	9,000	2,000	2,000	0	14,000	79%
Southwestern willow flycatcher	5,000	1,000	800	2,000	0	4,000	88%
Swainson's hawk	0	0	0	0	0	0	29%
Tricolored blackbird	9,000	5,000	1,000	1,000	0	7,000	82%
Western yellow-billed cuckoo	800	0	600	200	0	800	93%
Mammal							
Bighorn sheep – inter-mountain habitat	111,000	700	24,000	6,000	0	31,000	28%
Bighorn sheep – mountain habitat	522,000	154,000	195,000	71,000	60	420,000	80%
California leaf-nosed bat	102,000	24,000	69,000	500	0	94,000	92%
Mohave ground squirrel	6,000	0	500	800	0	1,000	22%
Pallid bat	704,000	157,000	249,000	79,000	60	485,000	69%

Table R.IV.7 - Alternative 4-18 BLM LUPA Species Habitat Conservation by Subarea

Subarea *Taxa* Species	**Total Acres in Available Lands (acres)**	**Existing Conservation (acres)**	**BLM LUPA Conservation Designations (acres)**	**Conservation Planning Areas (acres)**	**Wildlife Allocation (acres)**	**Total Conservation (acres)**	**% of Available Lands**
Townsend's big-eared bat	662,000	135,000	238,000	76,000	60	449,000	68%
Plant							
Alkali mariposa-lily	1,000	0	700	0	0	700	55%
Little San Bernardino Mountains linanthus	80,000	6,000	24,000	400	20	30,000	38%
Mojave monkeyflower	92,000	17,000	44,000	18,000	0	79,000	86%
Mojave tarplant	600	400	100	10	0	500	91%
Parish's daisy	85,000	34,000	26,000	6,000	60	67,000	78%
Triple-ribbed milk-vetch	4,000	4,000	0	0	0	4,000	91%
Piute Valley and Sacramento Mountains	**4,074,000**	**1,731,000**	**1,292,000**	**328,000**	**0**	**3,350,000**	**82%**
Amphibian/Reptile							
Agassiz's desert tortoise	722,000	237,000	291,000	75,000	0	603,000	83%
Mojave fringe-toed lizard	50	0	0	0	0	0	0%
Bird							
Bendire's thrasher	122,000	61,000	36,000	8,000	0	105,000	86%
Burrowing owl	2,000	50	900	400	0	1,000	72%
California black rail	40	30	0	0	0	30	88%
Golden eagle–foraging	703,000	338,000	193,000	51,000	0	582,000	83%
Golden eagle–nesting	294,000	218,000	28,000	2,000	0	248,000	84%
Least Bell's vireo	4,000	600	3,000	200	0	4,000	83%
Western yellow-billed cuckoo	300	100	0	10	0	200	56%
Yuma clapper rail	10	10	0	0	0	10	95%
Mammal							
Bighorn sheep – inter-mountain habitat	105,000	19,000	46,000	16,000	0	81,000	77%
Bighorn sheep – mountain habitat	491,000	308,000	87,000	11,000	0	405,000	82%
California leaf-nosed bat	351,000	85,000	143,000	45,000	0	273,000	78%
Pallid bat	896,000	370,000	300,000	76,000	0	747,000	83%
Townsend's big-eared bat	382,000	94,000	164,000	44,000	0	302,000	79%
Providence and Bullion Mountains	**7,519,000**	**3,344,000**	**2,003,000**	**1,060,000**	**118,000**	**6,524,000**	**87%**
Amphibian/Reptile							
Agassiz's desert tortoise	1,052,000	444,000	289,000	185,000	8,000	925,000	88%
Mojave fringe-toed lizard	167,000	59,000	38,000	12,000	8,000	115,000	69%
Bird							
Bendire's thrasher	151,000	67,000	52,000	19,000	0	138,000	91%
Burrowing owl	156,000	43,000	29,000	26,000	14,000	113,000	72%
Golden eagle–foraging	931,000	458,000	239,000	136,000	2,000	835,000	90%
Golden eagle–nesting	400,000	274,000	74,000	20,000	70	368,000	92%
Least Bell's vireo	5,000	3,000	1,000	1,000	0	5,000	92%
Western yellow-billed cuckoo	200	0	0	0	0	0	0%
Mammal							
Bighorn sheep – inter-mountain habitat	319,000	91,000	104,000	73,000	1,000	269,000	84%
Bighorn sheep – mountain habitat	743,000	449,000	158,000	73,000	1,000	682,000	92%
California leaf-nosed bat	1,032,000	377,000	324,000	158,000	22,000	881,000	85%
Pallid bat	1,371,000	585,000	371,000	202,000	29,000	1,187,000	87%
Townsend's big-eared bat	1,191,000	494,000	324,000	155,000	33,000	1,006,000	84%
Plant							
Mojave monkeyflower	0	0	0	0	0	0	95%
West Mojave and Eastern Slopes	**4,855,000**	**542,000**	**1,002,000**	**2,214,000**	**103,000**	**3,861,000**	**80%**
Amphibian/Reptile							
Agassiz's desert tortoise	604,000	30,000	94,000	365,000	0	489,000	81%
Mojave fringe-toed lizard	600	70	0	30	0	90	17%
Tehachapi slender salamander	7,000	0	700	500	5,000	6,000	82%
Bird							
Bendire's thrasher	94,000	37,000	37,000	7,000	0	80,000	86%
Burrowing owl	490,000	23,000	67,000	289,000	100	379,000	77%
California condor	235,000	36,000	72,000	45,000	18,000	170,000	72%
Golden eagle–foraging	515,000	70,000	127,000	218,000	16,000	432,000	84%
Golden eagle–nesting	169,000	40,000	49,000	25,000	17,000	131,000	77%
Least Bell's vireo	10,000	3,000	2,000	900	1,000	7,000	75%
Mountain plover	4,000	80	500	1,000	0	2,000	46%
Southwestern willow flycatcher	11,000	3,000	1,000	1,000	3,000	8,000	77%
Swainson's hawk	49,000	1,000	3,000	16,000	0	20,000	41%
Tricolored blackbird	4,000	70	200	600	200	1,000	25%
Western yellow-billed cuckoo	600	0	0	50	0	50	8%
Yuma clapper rail	50	0	0	40	0	40	68%
Mammal							
Bighorn sheep – inter-mountain habitat	208,000	62,000	66,000	46,000	1,000	175,000	84%
Bighorn sheep – mountain habitat	5,000	0	500	600	0	1,000	22%
California leaf-nosed bat	2,000	700	400	800	0	2,000	89%
Mohave ground squirrel	599,000	41,000	95,000	349,000	0	486,000	81%
Pallid bat	768,000	82,000	157,000	361,000	17,000	617,000	80%
Townsend's big-eared bat	728,000	77,000	147,000	329,000	17,000	570,000	78%
Plant							
Alkali mariposa-lily	300	0	0	0	0	0	0%
Bakersfield cactus	77,000	3,000	33,000	16,000	3,000	55,000	71%
Barstow woolly sunflower	72,000	300	400	63,000	0	64,000	89%
Desert cymopterus	66,000	3,000	1,000	52,000	0	57,000	86%
Mojave monkeyflower	9,000	100	3,000	4,000	0	7,000	79%
Mojave tarplant	127,000	28,000	45,000	25,000	4,000	102,000	80%
Owens Valley checkerbloom	300	0	200	60	0	300	79%
Parish's daisy	50	0	0	0	0	0	0%

Table R.IV.7 - Alternative 4-19 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Cadiz Valley and Chocolate Mountains	**2,159,000**	**27,000**	**2,000**	**0**	**12,000**	**41,000**
Desert outcrop and badlands	498,000	7,000	500	0	2,000	10,000
North American warm desert bedrock cliff and outcrop	498,000	7,000	500	0	2,000	10,000
Desert Scrub	1,332,000	19,000	2,000	0	9,000	30,000
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	2,000	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	19,000	1,000	0	9,000	29,000
Shadscale - saltbush cool semi-desert scrub	12,000	700	50	0	30	700
Dunes	19,000	0	0	0	0	0
North American warm desert dunes and sand flats	19,000	0	0	0	0	0
Grassland	1,000	200	10	0	20	200
California Annual and Perennial Grassland	1,000	200	10	0	20	200
California annual forb/grass vegetation	0	0	0	0	0	0
Riparian	258,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	0	0	0	0	0
Mojavean semi-desert wash scrub	400	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	45,000	1,000	100	0	90	1,000
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	300	20	0	50	300
Open Water	10	0	0	0	0	0
Playa	25,000	0	0	0	0	0
Southwestern North American salt basin and high marsh	6,000	900	80	0	40	1,000
Wetland	20	0	0	0	0	0
Other Land Cover	6,000	40	0	0	100	200
Agriculture	400	40	0	0	10	50
Developed and Disturbed Areas	5,000	0	0	0	100	100
Rural	100	0	0	0	0	0
Imperial Borrego Valley	**685,000**	**2,000**	**0**	**4,000**	**1,000**	**7,000**
Desert outcrop and badlands	94,000	10	0	50	300	400
North American warm desert bedrock cliff and outcrop	94,000	10	0	50	300	400
Desert Scrub	338,000	2,000	0	4,000	900	7,000
Arizonan upland Sonoran desert scrub	100	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	2,000	0	4,000	800	7,000
Shadscale - saltbush cool semi-desert scrub	7,000	10	0	10	50	70
Dunes	63,000	0	0	0	0	0
North American warm desert dunes and sand flats	63,000	0	0	0	0	0
Grassland	10	0	0	0	0	0
California Annual and Perennial Grassland	10	0	0	0	0	0
Riparian	178,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	0	0	0	0	0
Mojavean semi-desert wash scrub	200	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	8,000	0	0	0	0	0
Wetland	900	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	0	0	0	0
Open Water	600	0	0	0	0	0
Playa	50	0	0	0	0	0
Other Land Cover	11,000	20	0	40	70	100
Agriculture	5,000	0	0	10	60	60
Developed and Disturbed Areas	4,000	10	0	10	10	30
Not Mapped	700	0	0	0	0	0
Rural	2,000	10	0	20	10	30
Kingston and Funeral Mountains	**1,184,000**	**0**	**0**	**0**	**0**	**0**
Desert conifer woodlands	10,000	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	10,000	0	0	0	0	0
Desert outcrop and badlands	11,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	11,000	0	0	0	0	0
Desert Scrub	1,057,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	1,000	0	0	0	0	0
Intermontane seral shrubland	0	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	0	0	0	0	0
Mojave and Great Basin upper bajada and toeslope	242,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	28,000	0	0	0	0	0
Dunes	15,000	0	0	0	0	0
North American warm desert dunes and sand flats	15,000	0	0	0	0	0
Riparian	41,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	0	0	0	0	0
Mojavean semi-desert wash scrub	300	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	0	0	0	0	0
Wetland	47,000	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	0	0	0	0	0
Playa	0	0	0	0	0	0
Southwestern North American salt basin and high marsh	20,000	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Mojave and Silurian Valley	**971,000**	**0**	**0**	**0**	**300**	**300**

Table R.IV.7 - Alternative 4-19 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Chaparral and coastal scrub community (Cismontane scrub)	3,000	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	3,000	0	0	0	0	0
Desert outcrop and badlands	10,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	10,000	0	0	0	0	0
Desert Scrub	883,000	0	0	0	300	300
Intermontane deep or well-drained soil scrub	17,000	0	0	0	10	10
Intermontane seral shrubland	800	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	0	0	0	300	300
Mojave and Great Basin upper bajada and toeslope	24,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	18,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	50	0	0	0	0	0
Dunes	12,000	0	0	0	0	0
North American warm desert dunes and sand flats	12,000	0	0	0	0	0
Grassland	4,000	0	0	0	0	0
California Annual and Perennial Grassland	4,000	0	0	0	0	0
California annual forb/grass vegetation	300	0	0	0	0	0
Riparian	26,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	0	0	0	0	0
Mojavean semi-desert wash scrub	4,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	400	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	0
Southwestern North American riparian/wash scrub	400	0	0	0	0	0
Wetland	32,000	0	0	0	10	10
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	0	0	0	10	10
Southwestern North American salt basin and high marsh	8,000	0	0	0	0	0
Wetland	0	0	0	0	0	0
Other Land Cover	2,000	0	0	0	0	0
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	0	0
Owens River Valley	**189,000**	**800**	**0**	**1,000**	**500**	**2,000**
California forest and woodland	20	0	0	0	0	0
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	0	0	0	0	0	0
Desert conifer woodlands	100	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	100	0	0	0	0	0
Desert outcrop and badlands	32,000	90	0	100	20	200
North American warm desert bedrock cliff and outcrop	32,000	90	0	100	20	200
Desert Scrub	137,000	700	0	1,000	500	2,000
Intermontane deep or well-drained soil scrub	200	0	0	0	0	0
Intermontane seral shrubland	800	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	100,000	500	0	700	400	2,000
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	200	0	300	20	500
Shadscale - saltbush cool semi-desert scrub	11,000	0	0	0	70	70
Dunes	4,000	0	0	0	0	0
North American warm desert dunes and sand flats	4,000	0	0	0	0	0
Riparian	1,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	13,000	0	0	0	0	0
Arid West freshwater emergent marsh	10	0	0	0	0	0
Open Water	10	0	0	0	0	0
Playa	200	0	0	0	0	0
Southwestern North American salt basin and high marsh	12,000	0	0	0	0	0
Other Land Cover	2,000	0	0	0	20	20
Agriculture	10	0	0	0	0	0
Developed and Disturbed Areas	1,000	0	0	0	10	10
Not Mapped	10	0	0	0	0	0
Rural	400	0	0	0	0	10
Panamint Death Valley	**404,000**	**700**	**0**	**0**	**200**	**900**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	900	0	0	0	0	0
Desert outcrop and badlands	8,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	8,000	0	0	0	0	0
Desert Scrub	336,000	300	0	0	200	600
Intermontane deep or well-drained soil scrub	13,000	0	0	0	40	40
Intermontane seral shrubland	30	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	300	0	0	200	500
Mojave and Great Basin upper bajada and toeslope	5,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	11,000	70	0	0	0	70
Dunes	2,000	0	0	0	0	0
North American warm desert dunes and sand flats	2,000	0	0	0	0	0
Grassland	50	0	0	0	0	0
California Annual and Perennial Grassland	50	0	0	0	0	0
Riparian	6,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	0	0	0	0	0
Mojavean semi-desert wash scrub	1,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	10	0	0	0	0	0
Wetland	34,000	400	0	0	0	400
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	0	0	0	0	0

Table R.IV.7 - Alternative 4-19 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	Available Land (acres)	Solar Impacts (acres)	Wind Impacts (acres)	Geothermal Impacts (acres)	Transmission Impacts (acres)	Total Impacts (acres)
Southwestern North American salt basin and high marsh	13,000	400	0	0	0	400
Other Land Cover	17,000	0	0	0	0	0
Developed and Disturbed Areas	17,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**200**	**200**	**0**	**800**	**1,000**
California forest and woodland	24,000	0	0	0	20	20
Californian broadleaf forest and woodland	20	0	0	0	0	0
Californian montane conifer forest	24,000	0	0	0	20	20
Chaparral and coastal scrub community (Cismontane scrub)	8,000	10	10	0	20	40
Californian xeric chaparral	3,000	0	0	0	0	0
Central and south coastal California seral scrub	20	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	6,000	10	10	0	20	40
Western Mojave and Western Sonoran Desert borderland chaparral	100	0	0	0	0	0
Desert conifer woodlands	20,000	20	10	0	20	50
Great Basin Pinyon - Juniper Woodland	20,000	20	10	0	20	50
Desert outcrop and badlands	27,000	0	0	0	10	10
North American warm desert bedrock cliff and outcrop	27,000	0	0	0	10	10
Desert Scrub	604,000	200	100	0	600	900
Arizonan upland Sonoran desert scrub	1,000	0	0	0	0	0
Intermontane deep or well-drained soil scrub	26,000	10	10	0	10	20
Intermontane seral shrubland	4,000	10	0	0	10	20
Inter-Mountain Dry Shrubland and Grassland	24,000	0	0	0	10	10
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	100	100	0	500	700
Mojave and Great Basin upper bajada and toeslope	82,000	30	30	0	90	200
Shadscale - saltbush cool semi-desert scrub	400	0	0	0	0	0
Dunes	3,000	0	0	0	0	0
North American warm desert dunes and sand flats	3,000	0	0	0	0	0
Grassland	20,000	0	0	0	70	70
California Annual and Perennial Grassland	20,000	0	0	0	70	70
California annual forb/grass vegetation	10	0	0	0	0	0
Riparian	11,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	10	0	0	0	0	0
Southwestern North American riparian/wash scrub	300	0	0	0	0	0
Wetland	7,000	0	0	0	10	20
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	0	0	0	10	10
Southwestern North American salt basin and high marsh	3,000	0	0	0	0	10
Other Land Cover	3,000	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Developed and Disturbed Areas	2,000	0	0	0	0	0
Rural	50	0	0	0	0	0
Piute Valley and Sacramento Mountains	**896,000**	**0**	**0**	**0**	**0**	**0**
Desert outcrop and badlands	402,000	0	0	0	0	0
North American warm desert bedrock cliff and outcrop	402,000	0	0	0	0	0
Desert Scrub	420,000	0	0	0	0	0
Arizonan upland Sonoran desert scrub	600	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	1,000	0	0	0	0	0
Dunes	60	0	0	0	0	0
North American warm desert dunes and sand flats	60	0	0	0	0	0
Riparian	71,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	0	0	0	0	0
Southwestern North American riparian/wash scrub	40	0	0	0	0	0
Wetland	400	0	0	0	0	0
Playa	400	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
Not Mapped	0	0	0	0	0	0
Rural	10	0	0	0	0	0
Providence and Bullion Mountains	**1,416,000**	**200**	**0**	**0**	**200**	**300**
Desert conifer woodlands	0	0	0	0	0	0
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	0
Desert outcrop and badlands	118,000	0	0	0	30	30
North American warm desert bedrock cliff and outcrop	118,000	0	0	0	30	30
Desert Scrub	1,198,000	200	0	0	100	300
Inter-Mountain Dry Shrubland and Grassland	18,000	0	0	0	0	0
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	200	0	0	100	300
Mojave and Great Basin upper bajada and toeslope	35,000	0	0	0	0	0
Shadscale - saltbush cool semi-desert scrub	9,000	0	0	0	0	0
Dunes	8,000	0	0	0	0	0
North American warm desert dunes and sand flats	8,000	0	0	0	0	0
Riparian	50,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	0	0	0	0	0
Mojavean semi-desert wash scrub	100	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	700	0	0	0	0	0
Southwestern North American riparian/wash scrub	200	0	0	0	0	0
Wetland	38,000	0	0	0	30	30
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	0	0	0	30	30

Table R.IV.7 - Alternative 4-19 BLM LUPA Natural Communities Impact by Subarea

Subarea General Community Natural Community	**Available Land (acres)**	**Solar Impacts (acres)**	**Wind Impacts (acres)**	**Geothermal Impacts (acres)**	**Transmission Impacts (acres)**	**Total Impacts (acres)**
Southwestern North American salt basin and high marsh	70	0	0	0	0	0
Other Land Cover	3,000	0	0	0	0	0
Developed and Disturbed Areas	3,000	0	0	0	0	0
West Mojave and Eastern Slopes	**839,000**	**3,000**	**200**	**0**	**200**	**3,000**
California forest and woodland	20,000	10	0	0	0	10
Californian broadleaf forest and woodland	11,000	10	0	0	0	10
Californian montane conifer forest	10,000	0	0	0	0	0
Chaparral and coastal scrub community (Cismontane scrub)	7,000	200	10	0	0	200
Californian mesic chaparral	500	0	0	0	0	0
Californian pre-montane chaparral	300	0	0	0	0	0
Californian xeric chaparral	2,000	0	0	0	0	0
Central and south coastal California seral scrub	0	0	0	0	0	0
Central and South Coastal Californian coastal sage scrub	4,000	200	10	0	0	200
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0
Desert conifer woodlands	20,000	200	20	0	0	200
Great Basin Pinyon - Juniper Woodland	20,000	200	20	0	0	200
Desert outcrop and badlands	2,000	10	0	0	0	10
North American warm desert bedrock cliff and outcrop	2,000	10	0	0	0	10
Desert Scrub	699,000	800	50	0	200	1,000
Intermontane deep or well-drained soil scrub	9,000	0	0	0	0	0
Intermontane seral shrubland	200	0	0	0	0	0
Inter-Mountain Dry Shrubland and Grassland	139,000	300	20	0	10	300
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	0	0	0	0	0
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	500	30	0	200	700
Mojave and Great Basin upper bajada and toeslope	18,000	30	0	0	0	30
Shadscale - saltbush cool semi-desert scrub	3,000	0	0	0	0	0
Southern Great Basin semi-desert grassland	0	0	0	0	0	0
Dunes	700	0	0	0	0	0
North American warm desert dunes and sand flats	700	0	0	0	0	0
Grassland	5,000	100	10	0	0	100
California Annual and Perennial Grassland	4,000	80	10	0	0	90
California annual forb/grass vegetation	900	50	0	0	0	50
Riparian	4,000	0	0	0	0	0
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	0	0	0	0	0
Mojavean semi-desert wash scrub	2,000	0	0	0	0	0
Sonoran-Coloradan semi-desert wash woodland/scrub	10	0	0	0	0	0
Southwestern North American riparian evergreen and deciduous woodland	400	0	0	0	0	0
Southwestern North American riparian/wash scrub	600	0	0	0	0	0
Wetland	78,000	1,000	90	0	20	1,000
Californian warm temperate marsh/seep	0	0	0	0	0	0
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	1,000	80	0	0	1,000
Southwestern North American salt basin and high marsh	60,000	100	10	0	10	100
Wetland	100	10	0	0	0	10
Other Land Cover	4,000	10	0	0	0	10
Agriculture	90	0	0	0	0	0
Developed and Disturbed Areas	3,000	10	0	0	0	10
Rural	800	0	0	0	0	0

Table R.IV.7 - Alternative 4-20 BLM LUPA Natural Communities Conservation by Subarea

Subarea General Community Natural Community	Available Lands (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	Total Conservation (acres)	% of Available Lands
Cadiz Valley and Chocolate Mountains	**2,159,000**	**546,000**	**169,000**	**204,000**	**1,653,000**	**77%**
Desert outcrop and badlands	498,000	129,000	24,000	19,000	395,000	79%
North American warm desert bedrock cliff and outcrop	498,000	129,000	24,000	19,000	395,000	79%
Desert Scrub	1,332,000	302,000	111,000	146,000	1,013,000	76%
Arizonan upland Sonoran desert scrub	1,000	200	0	0	800	80%
Intermontane deep or well-drained soil scrub	2,000	0	0	0	2,000	94%
Inter-Mountain Dry Shrubland and Grassland	30	10	0	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,316,000	298,000	110,000	145,000	1,003,000	76%
Shadscale - saltbush cool semi-desert scrub	12,000	5,000	300	2,000	7,000	58%
Dunes	19,000	4,000	100	3,000	12,000	62%
North American warm desert dunes and sand flats	19,000	4,000	100	3,000	12,000	62%
Grassland	1,000	0	0	0	0	0%
California Annual and Perennial Grassland	1,000	0	0	0	0	0%
California annual forb/grass vegetation	0	0	0	0	0	0%
Riparian	258,000	105,000	34,000	8,000	197,000	77%
Madrean Warm Semi-Desert Wash Woodland/Scrub	174,000	76,000	29,000	7,000	139,000	80%
Mojavean semi-desert wash scrub	400	10	60	20	200	42%
Sonoran-Coloradan semi-desert wash woodland/scrub	83,000	29,000	5,000	40	58,000	70%
Southwestern North American riparian/wash scrub	200	0	0	0	0	1%
Wetland	45,000	6,000	500	28,000	35,000	76%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	14,000	5,000	0	4,000	10,000	70%
Open Water	10	0	0	0	0	74%
Playa	25,000	100	500	23,000	24,000	95%
Southwestern North American salt basin and high marsh	6,000	800	0	0	800	14%
Wetland	20	0	0	0	0	4%
Other Land Cover	6,000	100	400	200	800	14%
Agriculture	400	50	60	0	100	30%
Developed and Disturbed Areas	5,000	50	300	200	700	12%
Rural	100	40	10	10	60	63%
Imperial Borrego Valley	**685,000**	**246,000**	**43,000**	**0**	**340,000**	**50%**
Desert outcrop and badlands	94,000	44,000	7,000	0	64,000	68%
North American warm desert bedrock cliff and outcrop	94,000	44,000	7,000	0	64,000	68%
Desert Scrub	338,000	139,000	22,000	0	174,000	51%
Arizonan upland Sonoran desert scrub	100	0	100	0	100	89%
Inter-Mountain Dry Shrubland and Grassland	0	0	0	0	0	0%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	330,000	139,000	21,000	0	173,000	52%
Shadscale - saltbush cool semi-desert scrub	7,000	100	400	0	600	9%
Dunes	63,000	22,000	3,000	0	43,000	68%
North American warm desert dunes and sand flats	63,000	22,000	3,000	0	43,000	68%
Grassland	10	0	0	0	10	76%
California Annual and Perennial Grassland	10	0	0	0	10	76%
Riparian	178,000	41,000	11,000	0	58,000	33%
Madrean Warm Semi-Desert Wash Woodland/Scrub	139,000	33,000	8,000	0	46,000	33%
Mojavean semi-desert wash scrub	200	0	100	0	100	52%
Sonoran-Coloradan semi-desert wash woodland/scrub	30,000	5,000	2,000	0	8,000	26%
Southwestern North American riparian/wash scrub	8,000	3,000	500	0	4,000	48%
Wetland	900	50	200	0	300	29%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	200	0	200	0	200	90%
Open Water	600	50	10	0	70	10%
Playa	50	0	0	0	0	0%
Other Land Cover	11,000	600	400	0	1,000	9%
Agriculture	5,000	400	300	0	700	13%
Developed and Disturbed Areas	4,000	200	100	0	300	8%
Not Mapped	700	10	30	0	40	6%
Rural	2,000	10	0	0	10	1%
Kingston and Funeral Mountains	**1,184,000**	**323,000**	**95,000**	**0**	**1,011,000**	**85%**
Desert conifer woodlands	10,000	2,000	900	0	9,000	94%
Great Basin Pinyon - Juniper Woodland	10,000	2,000	900	0	9,000	94%
Desert outcrop and badlands	11,000	9,000	0	0	11,000	94%
North American warm desert bedrock cliff and outcrop	11,000	9,000	0	0	11,000	94%
Desert Scrub	1,057,000	274,000	82,000	0	908,000	86%
Intermontane deep or well-drained soil scrub	1,000	500	0	0	1,000	94%
Intermontane seral shrubland	0	0	0	0	0	48%
Inter-Mountain Dry Shrubland and Grassland	10	0	0	0	0	7%
Intermountain Mountain Big Sagebrush Shrubland and steppe	3,000	600	0	0	2,000	94%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	784,000	230,000	33,000	0	682,000	87%
Mojave and Great Basin upper bajada and toeslope	242,000	27,000	48,000	0	201,000	83%
Shadscale - saltbush cool semi-desert scrub	28,000	15,000	1,000	0	22,000	78%
Dunes	15,000	4,000	4,000	0	12,000	79%
North American warm desert dunes and sand flats	15,000	4,000	4,000	0	12,000	79%
Riparian	41,000	10,000	3,000	0	35,000	86%
Madrean Warm Semi-Desert Wash Woodland/Scrub	40,000	8,000	3,000	0	34,000	85%
Mojavean semi-desert wash scrub	300	100	100	0	200	91%
Sonoran-Coloradan semi-desert wash woodland/scrub	1,000	1,000	0	0	1,000	94%
Wetland	47,000	25,000	5,000	0	36,000	77%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	27,000	7,000	5,000	0	18,000	65%
Playa	0	0	0	0	0	95%
Southwestern North American salt basin and high marsh	20,000	17,000	0	0	18,000	92%
Other Land Cover	3,000	0	0	0	30	1%

Agriculture	0	0	0	0	0	95%
Developed and Disturbed Areas	3,000	0	0	0	20	1%
Mojave and Silurian Valley	**971,000**	**101,000**	**252,000**	**0**	**785,000**	**81%**
Chaparral and coastal scrub community (Cismontane scrub)	3,000	600	400	0	2,000	89%
Central and South Coastal Californian coastal sage scrub	3,000	600	400	0	2,000	89%
Desert outcrop and badlands	10,000	3,000	3,000	0	9,000	91%
North American warm desert bedrock cliff and outcrop	10,000	3,000	3,000	0	9,000	91%
Desert Scrub	883,000	88,000	226,000	0	717,000	81%
Intermontane deep or well-drained soil scrub	17,000	2,000	9,000	0	16,000	91%
Intermontane seral shrubland	800	600	90	0	700	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	823,000	79,000	213,000	0	669,000	81%
Mojave and Great Basin upper bajada and toeslope	24,000	5,000	3,000	0	22,000	94%
Shadscale - saltbush cool semi-desert scrub	18,000	1,000	2,000	0	9,000	52%
Southern Great Basin semi-desert grassland	50	0	40	0	40	82%
Dunes	12,000	3,000	2,000	0	8,000	66%
North American warm desert dunes and sand flats	12,000	3,000	2,000	0	8,000	66%
Grassland	4,000	2,000	1,000	0	4,000	94%
California Annual and Perennial Grassland	4,000	2,000	800	0	3,000	94%
California annual forb/grass vegetation	300	100	100	0	200	95%
Riparian	26,000	2,000	5,000	0	21,000	81%
Madrean Warm Semi-Desert Wash Woodland/Scrub	21,000	1,000	1,000	0	17,000	79%
Mojavean semi-desert wash scrub	4,000	400	3,000	0	3,000	94%
Sonoran-Coloradan semi-desert wash woodland/scrub	400	80	300	0	400	93%
Southwestern North American riparian evergreen and deciduous woodland	0	0	0	0	0	56%
Southwestern North American riparian/wash scrub	400	0	300	0	300	84%
Wetland	32,000	2,000	15,000	0	25,000	76%
Californian warm temperate marsh/seep	0	0	0	0	0	92%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	25,000	2,000	9,000	0	18,000	72%
Southwestern North American salt basin and high marsh	8,000	200	6,000	0	7,000	86%
Wetland	0	0	0	0	0	0%
Other Land Cover	2,000	0	10	0	10	0%
Agriculture	10	0	10	0	10	41%
Developed and Disturbed Areas	2,000	0	0	0	0	0%
Owens River Valley	**189,000**	**31,000**	**16,000**	**0**	**76,000**	**40%**
California forest and woodland	20	0	0	0	10	78%
Californian broadleaf forest and woodland	20	0	0	0	10	77%
Californian montane conifer forest	0	0	0	0	0	95%
Desert conifer woodlands	100	40	0	0	100	72%
Great Basin Pinyon - Juniper Woodland	100	40	0	0	100	72%
Desert outcrop and badlands	32,000	4,000	400	0	8,000	24%
North American warm desert bedrock cliff and outcrop	32,000	4,000	400	0	8,000	24%
Desert Scrub	137,000	20,000	15,000	0	59,000	43%
Intermontane deep or well-drained soil scrub	200	200	0	0	200	95%
Intermontane seral shrubland	800	0	0	0	0	1%
Inter-Mountain Dry Shrubland and Grassland	100,000	9,000	14,000	0	41,000	41%
Intermountain Mountain Big Sagebrush Shrubland and steppe	5,000	100	0	0	800	16%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	19,000	8,000	400	0	14,000	71%
Shadscale - saltbush cool semi-desert scrub	11,000	3,000	500	0	3,000	29%
Dunes	4,000	3,000	400	0	3,000	77%
North American warm desert dunes and sand flats	4,000	3,000	400	0	3,000	77%
Riparian	1,000	300	0	0	900	68%
Madrean Warm Semi-Desert Wash Woodland/Scrub	1,000	300	0	0	900	86%
Southwestern North American riparian/wash scrub	300	0	0	0	0	1%
Wetland	13,000	4,000	200	0	5,000	39%
Arid West freshwater emergent marsh	10	0	0	0	0	0%
Open Water	10	10	0	0	10	82%
Playa	200	0	10	0	10	3%
Southwestern North American salt basin and high marsh	12,000	4,000	200	0	5,000	39%
Other Land Cover	2,000	40	200	0	200	14%
Agriculture	10	10	0	0	10	86%
Developed and Disturbed Areas	1,000	10	100	0	100	11%
Not Mapped	10	10	0	0	10	81%
Rural	400	0	60	0	70	17%
Panamint Death Valley	**404,000**	**176,000**	**102,000**	**0**	**335,000**	**83%**
Chaparral and coastal scrub community (Cismontane scrub)	900	0	900	0	900	95%
Central and South Coastal Californian coastal sage scrub	900	0	900	0	900	95%
Desert outcrop and badlands	8,000	1,000	5,000	0	8,000	93%
North American warm desert bedrock cliff and outcrop	8,000	1,000	5,000	0	8,000	93%
Desert Scrub	336,000	156,000	93,000	0	303,000	90%
Intermontane deep or well-drained soil scrub	13,000	300	8,000	0	13,000	95%
Intermontane seral shrubland	30	0	30	0	30	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	307,000	153,000	80,000	0	278,000	91%
Mojave and Great Basin upper bajada and toeslope	5,000	50	1,000	0	4,000	93%
Shadscale - saltbush cool semi-desert scrub	11,000	3,000	4,000	0	7,000	66%
Dunes	2,000	1,000	30	0	1,000	92%
North American warm desert dunes and sand flats	2,000	1,000	30	0	1,000	92%
Grassland	50	0	30	0	50	95%
California Annual and Perennial Grassland	50	0	30	0	50	95%
Riparian	6,000	3,000	1,000	0	6,000	93%
Madrean Warm Semi-Desert Wash Woodland/Scrub	5,000	3,000	600	0	4,000	93%
Mojavean semi-desert wash scrub	1,000	100	700	0	1,000	91%
Southwestern North American riparian evergreen and deciduous woodland	10	0	10	0	10	95%
Southwestern North American riparian/wash scrub	10	0	10	0	10	95%

Wetland	34,000	15,000	2,000	0	16,000	48%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	21,000	14,000	200	0	14,000	65%
Southwestern North American salt basin and high marsh	13,000	1,000	1,000	0	3,000	21%
Other Land Cover	17,000	0	0	0	0	0%
Developed and Disturbed Areas	17,000	0	0	0	0	0%
Pinto Lucerne Valley and Eastern Slopes	**728,000**	**250,000**	**84,000**	**60**	**496,000**	**68%**
California forest and woodland	24,000	3,000	2,000	0	22,000	89%
Californian broadleaf forest and woodland	20	0	10	0	10	95%
Californian montane conifer forest	24,000	3,000	2,000	0	22,000	89%
Chaparral and coastal scrub community (Cismontane scrub)	8,000	1,000	2,000	0	6,000	68%
Californian xeric chaparral	3,000	200	30	0	2,000	90%
Central and south coastal California seral scrub	20	0	10	0	10	80%
Central and South Coastal Californian coastal sage scrub	6,000	1,000	2,000	0	3,000	57%
Western Mojave and Western Sonoran Desert borderland chaparral	100	70	0	0	90	70%
Desert conifer woodlands	20,000	2,000	2,000	0	17,000	82%
Great Basin Pinyon - Juniper Woodland	20,000	2,000	2,000	0	17,000	82%
Desert outcrop and badlands	27,000	8,000	1,000	0	25,000	92%
North American warm desert bedrock cliff and outcrop	27,000	8,000	1,000	0	25,000	92%
Desert Scrub	604,000	230,000	69,000	60	401,000	66%
Arizonan upland Sonoran desert scrub	1,000	200	0	0	400	29%
Intermontane deep or well-drained soil scrub	26,000	9,000	11,000	0	23,000	87%
Intermontane seral shrubland	4,000	700	2,000	0	3,000	68%
Inter-Mountain Dry Shrubland and Grassland	24,000	7,000	1,000	0	20,000	82%
Intermountain Mountain Big Sagebrush Shrubland and steppe	400	90	20	0	300	85%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	466,000	175,000	40,000	30	291,000	63%
Mojave and Great Basin upper bajada and toeslope	82,000	37,000	15,000	30	64,000	78%
Shadscale - saltbush cool semi-desert scrub	400	200	0	0	300	63%
Dunes	3,000	0	0	0	80	3%
North American warm desert dunes and sand flats	3,000	0	0	0	80	3%
Grassland	20,000	2,000	6,000	0	16,000	83%
California Annual and Perennial Grassland	20,000	2,000	6,000	0	16,000	83%
California annual forb/grass vegetation	10	10	0	0	10	95%
Riparian	11,000	5,000	2,000	0	8,000	74%
Madrean Warm Semi-Desert Wash Woodland/Scrub	2,000	300	10	0	700	32%
Mojavean semi-desert wash scrub	2,000	600	900	0	2,000	79%
Sonoran-Coloradan semi-desert wash woodland/scrub	7,000	4,000	1,000	0	6,000	86%
Southwestern North American riparian evergreen and deciduous woodland	10	0	10	0	10	80%
Southwestern North American riparian/wash scrub	300	90	20	0	300	92%
Wetland	7,000	20	100	0	100	2%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	4,000	10	80	0	90	2%
Southwestern North American salt basin and high marsh	3,000	10	20	0	30	1%
Other Land Cover	3,000	10	30	0	60	2%
Agriculture	0	0	0	0	0	0%
Developed and Disturbed Areas	2,000	10	20	0	50	2%
Rural	50	0	10	0	10	15%
Piute Valley and Sacramento Mountains	**896,000**	**300,000**	**76,000**	**0**	**747,000**	**83%**
Desert outcrop and badlands	402,000	83,000	14,000	0	334,000	83%
North American warm desert bedrock cliff and outcrop	402,000	83,000	14,000	0	334,000	83%
Desert Scrub	420,000	186,000	61,000	0	365,000	87%
Arizonan upland Sonoran desert scrub	600	0	0	0	600	94%
Inter-Mountain Dry Shrubland and Grassland	40	0	0	0	40	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	419,000	186,000	61,000	0	363,000	87%
Shadscale - saltbush cool semi-desert scrub	1,000	300	30	0	1,000	89%
Dunes	60	10	0	0	30	59%
North American warm desert dunes and sand flats	60	10	0	0	30	59%
Riparian	71,000	31,000	2,000	0	47,000	66%
Madrean Warm Semi-Desert Wash Woodland/Scrub	71,000	31,000	2,000	0	47,000	66%
Southwestern North American riparian/wash scrub	40	30	0	0	40	85%
Wetland	400	10	20	0	300	84%
Playa	400	10	20	0	300	84%
Other Land Cover	3,000	400	30	0	400	15%
Developed and Disturbed Areas	3,000	400	30	0	400	15%
Not Mapped	0	0	0	0	0	95%
Rural	10	0	0	0	0	28%
Providence and Bullion Mountains	**1,416,000**	**375,000**	**202,000**	**39,000**	**1,204,000**	**85%**
Desert conifer woodlands	0	0	0	0	0	95%
Great Basin Pinyon - Juniper Woodland	0	0	0	0	0	95%
Desert outcrop and badlands	118,000	29,000	10,000	10	105,000	89%
North American warm desert bedrock cliff and outcrop	118,000	29,000	10,000	10	105,000	89%
Desert Scrub	1,198,000	327,000	182,000	28,000	1,034,000	86%
Inter-Mountain Dry Shrubland and Grassland	18,000	3,000	2,000	0	17,000	95%
Intermountain Mountain Big Sagebrush Shrubland and steppe	200	0	0	0	200	95%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	1,135,000	301,000	179,000	27,000	979,000	86%
Mojave and Great Basin upper bajada and toeslope	35,000	20,000	100	0	30,000	85%
Shadscale - saltbush cool semi-desert scrub	9,000	3,000	600	700	8,000	82%
Dunes	8,000	3,000	10	0	6,000	78%
North American warm desert dunes and sand flats	8,000	3,000	10	0	6,000	78%
Riparian	50,000	14,000	10,000	300	45,000	90%
Madrean Warm Semi-Desert Wash Woodland/Scrub	49,000	14,000	10,000	300	44,000	90%
Mojavean semi-desert wash scrub	100	0	0	0	80	73%
Sonoran-Coloradan semi-desert wash woodland/scrub	700	200	0	0	600	94%
Southwestern North American riparian/wash scrub	200	0	0	0	200	95%
Wetland	38,000	2,000	0	11,000	14,000	37%

North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	38,000	2,000	0	11,000	14,000	37%
Southwestern North American salt basin and high marsh	70	60	0	0	60	94%
Other Land Cover	3,000	10	0	0	10	0%
Developed and Disturbed Areas	3,000	10	0	0	10	0%
West Mojave and Eastern Slopes	**839,000**	**158,000**	**404,000**	**18,000**	**663,000**	**79%**
California forest and woodland	20,000	2,000	1,000	12,000	16,000	81%
Californian broadleaf forest and woodland	11,000	300	70	8,000	9,000	86%
Californian montane conifer forest	10,000	2,000	1,000	4,000	7,000	75%
Chaparral and coastal scrub community (Cismontane scrub)	7,000	500	700	1,000	3,000	38%
Californian mesic chaparral	500	0	0	300	300	57%
Californian pre-montane chaparral	300	10	10	300	300	89%
Californian xeric chaparral	2,000	0	0	500	500	22%
Central and south coastal California seral scrub	0	0	0	0	0	0%
Central and South Coastal Californian coastal sage scrub	4,000	500	700	0	2,000	42%
Western Mojave and Western Sonoran Desert borderland chaparral	70	0	0	0	0	0%
Desert conifer woodlands	20,000	4,000	3,000	600	15,000	75%
Great Basin Pinyon - Juniper Woodland	20,000	4,000	3,000	600	15,000	75%
Desert outcrop and badlands	2,000	40	1,000	0	2,000	82%
North American warm desert bedrock cliff and outcrop	2,000	40	1,000	0	2,000	82%
Desert Scrub	699,000	149,000	338,000	3,000	564,000	81%
Intermontane deep or well-drained soil scrub	9,000	3,000	4,000	0	8,000	90%
Intermontane seral shrubland	200	30	20	0	50	33%
Inter-Mountain Dry Shrubland and Grassland	139,000	51,000	18,000	70	113,000	81%
Intermountain Mountain Big Sagebrush Shrubland and steppe	16,000	6,000	2,000	3,000	13,000	81%
Lower Bajada and Fan Mojavean - Sonoran desert scrub	514,000	85,000	302,000	0	413,000	80%
Mojave and Great Basin upper bajada and toeslope	18,000	5,000	11,000	0	16,000	89%
Shadscale - saltbush cool semi-desert scrub	3,000	30	2,000	0	2,000	65%
Southern Great Basin semi-desert grassland	0	0	0	0	0	85%
Dunes	700	100	200	0	700	94%
North American warm desert dunes and sand flats	700	100	200	0	700	94%
Grassland	5,000	500	1,000	600	2,000	49%
California Annual and Perennial Grassland	4,000	500	600	600	2,000	49%
California annual forb/grass vegetation	900	30	400	0	400	48%
Riparian	4,000	600	2,000	200	3,000	70%
Madrean Warm Semi-Desert Wash Woodland/Scrub	600	10	200	0	200	39%
Mojavean semi-desert wash scrub	2,000	400	1,000	0	2,000	79%
Sonoran-Coloradan semi-desert wash woodland/scrub	10	10	10	0	10	95%
Southwestern North American riparian evergreen and deciduous woodland	400	60	30	200	300	71%
Southwestern North American riparian/wash scrub	600	100	20	20	400	68%
Wetland	78,000	600	57,000	0	58,000	74%
Californian warm temperate marsh/seep	0	0	0	0	0	0%
North American Warm Desert Alkaline Scrub and Herb Playa and Wet Flat	18,000	400	4,000	0	5,000	26%
Southwestern North American salt basin and high marsh	60,000	200	52,000	0	53,000	88%
Wetland	100	0	10	0	10	4%
Other Land Cover	4,000	20	30	10	70	2%
Agriculture	90	10	10	0	20	21%
Developed and Disturbed Areas	3,000	10	10	10	40	1%
Rural	800	0	0	0	0	0%

Appendix R2.8 Cultural Resources

This appendix presents data supporting the analysis in Volume IV, Chapter IV.8. This appendix is organized as follows.

- Section R2.8.1 – No Action Alternative: Tables R2.8-1 through R2.8-4
- Section R2.8.2 – Preferred Alternative: Tables R2.8-5 through R2.8-8
- Section R2.8.3 – Alternative 1: Tables R2.8-9 through R2.6-12
- Section R2.8.4 – Alternative 2: Tables R2.8-13 through R2.8-16
- Section R2.8.5 – Alternative 3: Tables R2.8-17 through R2.8-20
- Section R2.8.6 – Alternative 4: Tables R2.8-21 through R2.8-24

R2.8.1 No Action Alternative

Table R2.8-1
Estimated Cultural Resource Potential Impacts by DRECP Ecoregion Subarea – No Action Alternative

DRECP Ecoregion Subarea	Density of Cultural Resources*	Total Estimated Cultural Resources
Cadiz Valley and Chocolate Mtns	0.04	87,684
Imperial Borrego Valley	0.01	9,277
Kingston and Funeral Mtns	0.03	35,466
Mojave and Silurian Valley	0.01	10,006
Owens River Valley	1.76	329,710
Panamint Death Valley	0.03	13,605
Pinto Lucerne Valley and Eastern Slopes	0.01	7,324
Piute Valley and Sacramento Mtns	0.03	27,891
Providence and Bullion Mtns	0.02	28,158
West Mojave and Eastern Slopes	0.04	34,210
Total		**583,329**

† Includes ground-mounted distributed generation
‡ Project Area
* Project Area

Table R2.8-2
Estimated Cultural Resources in Conservation* by DRECP Ecoregion Subarea – No Action Alternative

DRECP Ecoregion Subarea	Estimated Cultural Resources	BLM Conservation Designations		Percent Acres in Conservation
		Acres	Estimated CR	
Cadiz Valley and Chocolate Mtns	87,684	381,803	15,272	17%
Imperial Borrego Valley	9,277	132,968	1,330	14%
Kingston and Funeral Mtns	35,466	134,402	4,032	11%
Mojave and Silurian Valley	10,006	332,918	3,329	33%
Owens River Valley	329,710	816	1,436	0%
Panamint Death Valley	13,605	9,651	290	2%
Pinto Lucerne Valley and Eastern Slopes	7,324	215,206	2,152	29%
Piute Valley and Sacramento Mtns	27,891	352,963	10,589	38%
Providence and Bullion Mtns	28,158	241,848	4,837	17%
West Mojave and Eastern Slopes	34,210	480,523	19,221	56%
Total	**583,329**	**2,283,097**	**62,487**	**23%**

*This summary does not reflect project-by-project mitigation generated from renewable energy and transmission development.

Table R2.8-3
Estimated Cultural Resource Potential Impacts on BLM Lands by Technology Type by DRECP Ecoregion Subarea – No Action Alternative

DRECP Ecoregion Subarea	Density of Cultural Resources*	Estimated # of Potential Cultural Resources Impacts by Technology Type							
		Solar†		Wind‡		GT*		Transmission	
		Acres	Est CR	Acres	Est CR	GT*	Est CR	Acres	Est CR
Cadiz Valley and Chocolate Mtns	0.04	28,857	1,154	0	0	0	0	8,283	331
Imperial Borrego Valley	0.01	5,934	59	10,790	108	461	5	2,843	28
Kingston and Funeral Mtns	0.03	13,112	393	0	0	0	0	0	0
Mojave and Silurian Valley	0.01	13	0	0	0	0	0	1,146	11
Owens River Valley	1.76	0	0	0	0	0	0	0	0
Panamint Death Valley	0.03	0	0	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	0.01	489	5	2,875	29	0	0	202	2
Piute Valley and Sacramento Mtns	0.03	0	0	0	0	0	0	0	0
Providence and Bullion Mtns	0.02	9,657	193	0	0	0	0	850	17
West Mojave and Eastern Slopes	0.04	3,941	158	39,136	1,565	0	0	413	17
Total		**62,002**	**1,963**	**52,801**	**1,702**	**461**	**5**	**13,736**	**407**

† Includes ground-mounted distributed generation
‡ Project Area
* Project Area

Table R2.8-4
Estimated Cultural Resources on Existing BLM Land Designations – No Action Alternative

DRECP Ecoregion Subarea	Density of Cultural Resources	Existing SRMAs Acres	Estimated CR	Areas Managed for Recreational Emphasis	Estimated CR	Existing ACECs	Estimated CR
Cadiz Valley and Chocolate Mtns	0.04	0	0	0	0	618,224	24,729
Imperial Borrego Valley	0.01	80,812	808	190,097	1,901	171,134	1,711
Kingston and Funeral Mtns	0.03	0	0	42,874	1,286	184,737	5,542
Mojave and Silurian Valley	0.01	0	0	156,661	1,567	407,716	4,077
Owens River Valley	1.76	28,707	50,524	32,971	58,029	859	1,511
Panamint Death Valley	0.03	0	0	117,791	3,534	11,106	333
Pinto Lucerne Valley and Eastern Slopes	0.01	0	0	131,819	1,318	320,402	3,204
Piute Valley and Sacramento Mtns	0.03	0	0	24,004	720	555,236	16,657
Providence and Bullion Mtns	0.02	0	0	588	12	369,678	7,394
West Mojave and Eastern Slopes	0.04	0	0	183,358	7,334	553,954	22,158
Total		**109,519**	**51,332**	**880,163**	**75,701**	**3,193,045**	**87,317**

R2.8.2 Preferred Alternative

Table R2.8-5
Estimated Number of Potential Cultural Resource Impacts on BLM LUPA Lands by Technology Type – Preferred Alternative

DRECP Ecoregion Subarea**	BLM LUPA		Estimated Potential Cultural Resources Impacts in DFA Footprint by Technology								Total Est. CR
			Solar		Wind[1]		GT		Transmission		
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	2,149,766	85,991	16,338	654	42,347	1,694	0	0	8,085	323	2,671
Imperial Borrego Valley	923,837	9,238	8,787	88	569	6	5,861	59	2,929	29	181
Kingston and Funeral Mtns	1,182,186	35,466	104	3	0	0	0	0	0	0	3
Mojave and Silurian Valley	1,000,562	10,006	349	3	0	0	0	0	576	6	9
Owens River Valley	187,335	329,710	526	926	0	0	952	1,676	238	418	3,021
Panamint Death Valley	453,495	13,605	2,440	73	0	0	0	0	0	0	73
Pinto Lucerne Valley and Eastern Slopes	732,440	7,324	1,675	17	8,785	88	0	0	1,137	11	116
Piute Valley and Sacramento Mtns	892,817	26,784	0	0	0	0	0	0	0	0	0
Providence and Bullion Mtns	1,407,864	28,157	618	12	0	0	0	0	198	4	16
West Mojave and Eastern Slopes	855,242	34,210	7,528	301	4,631	185	1	0	243	10	496
Total	**9,785,544**	**580,491**	**38,366**	**2,078**	**56,333**	**1,973**	**6,814**	**1,735**	**13,406**	**802**	**6,587**

Table R2.8-6
Density of Cultural Resources in Variance Process Lands – Preferred Alternative

DRECP Ecoregion Subarea	Density of Cultural Resources*	Variance Process Lands	
		Acres	Estimated CR
Cadiz Valley and Chocolate Mountains	0.04	1,096	44
Imperial Borrego Valley	0.01	1,479	15
Kingston and Funeral Mountains	0.03	444	13
Mojave and Silurian Valley	0.01	0	0
Owens River Valley	1.76	0	0
Panamint Death Valley	0.03	0	0
Pinto Lucerne Valley and Eastern Slopes	0.01	0	0
Piute Valley and Sacramento Mountains	0.03	670	20
Providence and Bullion Mountains	0.02	26,213	524
West Mojave and Eastern Slopes	0.04	10,216	409
Total		**40,118**	**1,025**

Table R2.8-7
Estimated Number of Cultural Resources in Conservation by DRECP Ecoregion Subarea – Preferred Alternative

DRECP Ecoregion Subarea	Density of Cultural Resources*	Estimated # of Cultural Resources	Existing Conservation Areas		BLM LUPA Conservation Designations		Percent Estimated # of Cultural Resources in Conservation
			Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	0.04	85,991	739,854	29,594	1,096,137	43,845	85%
Imperial Borrego Valley	0.01	9,238	51,221	512	389,300	3,893	48%
Kingston and Funeral Mtns	0.03	35,466	594,689	17,841	469,961	14,099	90%
Mojave and Silurian Valley	0.01	10,006	432,264	4,323	427,983	4,280	86%
Owens River Valley	1.76	329,710	29,145	51,295	56,537	99,505	46%
Panamint Death Valley	0.03	13,605	57,484	1,725	275,467	8,264	73%
Pinto Lucerne Valley and Eastern Slopes	0.01	7,324	162,664	1,627	359,502	3,595	71%
Piute Valley and Sacramento Mtns	0.03	26,784	370,861	11,126	399,968	11,999	86%
Providence and Bullion Mtns	0.02	28,157	592,063	11,841	638,473	12,769	87%
West Mojave and Eastern Slopes	0.04	34,210	85,533	3,421	560,589	22,424	76%
Total		**580,491**	**3,115,777**	**133,304**	**4,673,918**	**224,673**	**62%**

[1] Project area
* For total Plan Area
** See Table IV.8-1 for cultural resources density for each ecoregion.

Table R2.8-8
Estimated Number of Cultural Resources in BLM Land Designations – Preferred Alternative

Eco-region**	SRMA		NLCS		Existing and Proposed ACEC		Wildlife Allocation		LWCs		Trail Management Corridors	
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR
Cadiz Valley and Chocolate Mtns	12,802	512	861,478	34,459	508,998	20,360	0	0	209,676	8,387	0	0
Imperial Borrego Valley	207,403	2,074	417,688	4,177	50,640	506	0	0	0	0	36,215	362
Kingston and Funeral Mtns	13,010	390	443,263	13,298	108,654	3,260	0	0	61,768	1,853	33,203	996
Mojave and Silurian Valley	78,328	783	218,819	2,188	566,534	5,665	0	0	40,753	408	47,673	477
Owens River Valley	26,629	46,866	48,071	84,605	35,819	63,041	0	0	0	0	0	0
Panamint Death Valley	85,737	2,572	187,644	5,629	129,051	3,872	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	106,283	1,063	288,378	2,884	187,375	1,874	0	0	3,237	32	0	0
Piute Valley and Sacramento Mtns	60,116	1,803	416,914	12,507	189,248	5,677	0	0	74,487	2,235	14,106	423
Providence and Bullion Mtns	27	1	637,735	12,755	226,239	4,525	0	0	145,056	2,901	750	15
West Mojave and Eastern Slopes	92,704	3,708	178,854	7,154	449,378	17,975	18,327	733	11,103	444	22,804	912
Total	**683,038**	**59,773**	**3,698,842**	**179,656**	**2,451,935**	**126,755**	**18,327**	**733**	**546,081**	**16,260**	**154,750**	**3,185**

** See Table IV.8-1 for cultural resources density for each ecoregion.

R2.8.3 Alternative 1

Table R2.8-9
Estimated Number of Potential Cultural Resource Impacts on BLM LUPA Lands by Technology Type –Alternative 1

Ecoregion Subarea**	BLM LUPA		Estimated Potential Cultural Resources Impacts in DFA Footprint by Technology								Total Est. CR in DFAs
			Solar		Wind[1]		GT		Transmission		
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	2,192,090	87,684	3,741	150	963	39	0	0	4,588	184	372
Imperial Borrego Valley	927,689	9,277	3,565	36	0	0	4,807	48	3,779	38	122
Kingston and Funeral Mtns	1,182,198	35,466	0	0	0	0	0	0	0	0	0
Mojave and Silurian Valley	1,000,562	10,006	0	0	0	0	0	0	871	9	9
Owens River Valley	187,348	329,733	3,858	6,790	0	0	0	0	1,194	2,102	8,892
Panamint Death Valley	453,495	13,605	0	0	0	0	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	732,443	7,324	2,140	21	1,377	14	0	0	1,277	13	48
Piute Valley and Sacramento Mtns	929,697	27,891	0	0	0	0	0	0	0	0	0
Providence and Bullion Mtns	1,407,876	28,158	290	6	0	0	0	0	348	7	13
West Mojave and Eastern Slopes	855,245	34,210	935	37	2	0	0	0	223	9	46
Total	**9,868,643**	**583,352**	**14,529**	**7,040**	**2,342**	**52**	**4,807**	**48**	**12,280**	**2,360**	**9,501**

[1] Project area
* for total Plan Area
** See Table IV.8-1 for cultural resources density for each ecoregion.

Table R2.8-10
Density of Cultural Resources in Variance Process Lands –Alternative 1

DRECP Ecoregion Subarea	Density of Cultural Resources*	Variance Process Lands	
		Acres	Estimated CR
Cadiz Valley and Chocolate Mountains	0.04	7,655	306
Imperial Borrego Valley	0.01	13,631	136
Kingston and Funeral Mountains	0.03	7,486	225
Mojave and Silurian Valley	0.01	302	3
Owens River Valley	1.76	2,373	4,176
Panamint Death Valley	0.03	0	0
Pinto Lucerne Valley and Eastern Slopes	0.01	1,730	17
Piute Valley and Sacramento Mountains	0.03	670	20
Providence and Bullion Mountains	0.02	1,024	20
West Mojave and Eastern Slopes	0.04	94	4
Total		**34,965**	**4,908**

Table R2.8-11
Estimated Number of Cultural Resources in Conservation Designations by DRECP Ecoregion Subarea – Alternative 1

DRECP Ecoregion Subarea	Density of Cultural Resources*	Estimated # of Cultural Resources	Existing Conservation Areas		BLM LUPA Conservation Designations		Percent Estimated # of Cultural Resources in Conservation
			Acres	Estimated CR	Acres	Estimated CR	
Cadiz Valley and Chocolate Mtns	0.04	87,684	740,433	29,617	1,166,957	46,678	87%
Imperial Borrego Valley	0.01	9,277	50,993	510	368,189	3,682	45%
Kingston and Funeral Mtns	0.03	35,466	592,596	17,778	463,675	13,910	89%
Mojave and Silurian Valley	0.01	10,006	430,838	4,308	385,225	3,852	82%
Owens River Valley	1.76	329,733	29,139	51,285	55,110	96,994	45%
Panamint Death Valley	0.03	13,605	57,452	1,724	212,919	6,388	60%
Pinto Lucerne Valley and Eastern Slopes	0.01	7,324	161,522	1,615	348,348	3,483	70%
Piute Valley and Sacramento Mtns	0.03	27,891	377,794	11,334	377,029	11,311	81%
Providence and Bullion Mtns	0.02	28,158	586,917	11,738	643,233	12,865	87%
West Mojave and Eastern Slopes	0.04	34,210	83,171	3,327	570,418	22,817	76%
Total		**583,352**	**3,110,854**	**133,236**	**4,591,101**	**221,980**	**61%**

Table R2.8-12
Estimated Number of Cultural Resources in BLM Land Designations – Alternative 1

	SRMA		NLCS		Existing & Proposed ACEC		Wildlife Allocation		LWCs		Trail Management Corridors	
Ecoregion**	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR
Cadiz Valley and Chocolate Mtns	15,046	602	461,789	15,844	592,701	23,708	396,089	15,844	0	0	0	0
Imperial Borrego Valley	142,103	1,421	59,376	837	292,326	2,923	83,733	837	0	0	11,228	112
Kingston and Funeral Mtns	12,806	384	201,187	0	338,914	10,167	0	0	0	0	33,222	997
Mojave and Silurian Valley	71,029	710	81,567	0	405,333	4,053	0	0	0	0	30,405	304
Owens River Valley	30,219	53,185	11,525	0	47,287	83,225	0	0	0	0	0	0
Panamint Death Valley	153,234	4,597	83,440	804	116,959	3,509	26,796	804	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	114,437	1,144	84,379	143	368,380	3,684	14,337	143	0	0	1,654	17
Piute Valley and Sacramento Mtns	60,479	1,814	249,699	0	333,311	9,999	0	0	0	0	3,396	102

Table R2.8-12
Estimated Number of Cultural Resources in BLM Land Designations – Alternative 1

	SRMA		NLCS		Existing & Proposed ACEC		Wildlife Allocation		LWCs		Trail Management Corridors	
Ecoregion**	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR
Providence and Bullion Mtns	31,984	640	241,391	954	518,790	10,376	47,709	954	0	0	261	5
West Mojave and Eastern Slopes	96,473	3,859	47,908	733	593,237	23,729	18,325	733	0	0	11,950	478
Total	**727,809**	**68,356**	**1,522,262**	**19,315**	**3,607,236**	**175,374**	**586,990**	**19,315**	**0**	**0**	**92,116**	**2,015**

† These designations overlap.
** See Table IV.8-1 for cultural resources density for each ecoregion.

R2.8.4 Alternative 2

Table R2.8-13
Estimated Number of Potential Cultural Resource Impacts on BLM LUPA Lands by Technology Type – Alternative 2

DRECP Ecoregion Subarea**	BLM LUPA		Estimated Potential Cultural Resources Impacts in DFA Footprint by Technology								Total Est CR in DFAs
			Solar		Wind[1]		GT		Transmission		
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	2,192,090	87,684	10,973	439	55,126	2,205	0	0	4,750	190	2,834
Imperial Borrego Valley	927,690	9,277	8,774	88	34,909	349	5,851	59	3,388	34	529
Kingston and Funeral Mtns	1,182,198	35,466	1,000	30	4,522	136	0	0	541	16	182
Mojave and Silurian Valley	1,000,562	10,006	1,659	17	11,135	111	0	0	753	8	135
Owens River Valley	187,348	329,733	383	674	0	0	945	1,664	408	717	3,055
Panamint Death Valley	453,495	13,605	589	18	969	29	0	0	42	1	48
Pinto Lucerne Valley and Eastern Slopes	732,443	7,324	2,429	24	24,154	242	0	0	2,048	20	286
Piute Valley and Sacramento Mtns	929,697	27,891	0	0	0	0	0	0	0	0	0
Providence and Bullion Mtns	1,407,876	28,158	934	19	10,491	210	0	0	807	16	245
West Mojave and Eastern Slopes	855,245	34,210	11,708	468	4,889	196	0	0	154	6	670
Total	**9,868,644**	**583,352**	**38,449**	**1,776**	**146,196**	**3,478**	**6,796**	**1,722**	**12,890**	**1,009**	**7,985**

** See Table IV.8-1 for cultural resources density for each ecoregion.
[1] Project area

Table R2.8-14
Density of Cultural Resources in Variance Process Lands –Alternative 2

DRECP Ecoregion Subarea	Density of Cultural Resources*	Variance Process Lands	
		Acres	Estimated CR
Cadiz Valley and Chocolate Mountains	0.04	0	0
Imperial Borrego Valley	0.01	0	0
Kingston and Funeral Mountains	0.03	0	0
Mojave and Silurian Valley	0.01	0	0
Owens River Valley	1.76	0	0
Panamint Death Valley	0.03	0	0
Pinto Lucerne Valley and Eastern Slopes	0.01	14,922	149
Piute Valley and Sacramento Mountains	0.03	0	0
Providence and Bullion Mountains	0.02	427	9
West Mojave and Eastern Slopes	0.04	637	25
Total		**15,986**	**183**

Table R2.8-15
Estimated Number of Cultural Resources in Conservation Designations by DRECP Ecoregion Subarea – Alternative 2

DRECP Ecoregion Subarea	Density of Cultural Resources*	Estimated # of Cultural Resources	Existing Conservation Areas		BLM LUPA Conservation Designations		Percent Estimated # of Cultural Resources in Conservation
			Acres	Estimated CR	Acres	Estimated CR	
Cadiz Valley and Chocolate Mtns	0.04	87,684	740,433	29,617	1,121,021	44,841	85%
Imperial Borrego Valley	0.01	9,277	50,993	510	386,519	3,865	47%
Kingston and Funeral Mtns	0.03	35,466	592,596	17,778	497,490	14,925	92%
Mojave and Silurian Valley	0.01	10,006	430,838	4,308	454,242	4,542	88%
Owens River Valley	1.76	329,733	29,139	51,285	54,931	96,678	45%
Panamint Death Valley	0.03	13,605	57,452	1,724	280,301	8,409	74%
Pinto Lucerne Valley and Eastern Slopes	0.01	7,324	161,522	1,615	385,221	3,852	75%
Piute Valley and Sacramento Mtns	0.03	27,891	377,794	11,334	472,393	14,172	91%
Providence and Bullion Mtns	0.02	28,158	586,917	11,738	708,299	14,166	92%
West Mojave and Eastern Slopes	0.04	34,210	83,171	3,327	538,881	21,555	73%
Total		**583,352**	**3,110,854**	**133,236**	**4,899,298**	**227,005**	**62%**

Table R2.8-16
Estimated Number of Cultural Resources in BLM Land Designations – Alternative 2

DRECP Ecoregion Subarea**	SRMA		Estimated Cultural Resources in Conservation Designations*									
			NLCS		Existing & Proposed ACEC		Wildlife Allocation		LWCs		Trail Management Corridors	
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR
Cadiz Valley and Chocolate Mtns	3,835	153	1,187,473	47,499	216,634	8,665	0	0	100,567	4,023	0	0
Imperial Borrego Valley	134,720	1,347	456,239	4,562	56,686	567	0	0	25	0	246,658	2,467
Kingston and Funeral Mtns	8,389	252	536,649	16,099	39,969	1,199	0	0	36,021	1,081	638,268	19,148
Mojave and Silurian Valley	87,539	875	507,761	5,078	30,781	308	0	0	30,877	309	651,670	6,517
Owens River Valley	31,591	55,600	48,870	86,010	9,915	17,451	0	0	6,080	10,701	93,321	164,246
Panamint Death Valley	79,010	2,370	287,414	8,622	11,424	343	0	0	79,362	2,381	7,886	237
Pinto Lucerne Valley and Eastern Slopes	108,145	1,081	427,449	4,274	34,150	341	0	0	1,514	15	186,129	1,861
Piute Valley and Sacramento Mtns	313	9	497,587	14,928	186,523	5,596	0	0	0	0	84,454	2,534
Providence and Bullion Mtns	14	0	772,727	15,455	115,634	2,313	0	0	44,251	885	122,812	2,456
West Mojave and Eastern Slopes	84,639	3,386	557,044	22,282	100,482	4,019	54	2	17,173	687	364,668	14,587
Total	**538,194**	**65,075**	**5,279,212**	**224,810**	**802,197**	**40,802**	**54**	**2**	**315,871**	**20,082**	**2,395,867**	**214,051**

† These designations overlap.
** See Table IV.8-1 for cultural resources density for each ecoregion.

R2.8.5 Alternative 3

Table R2.8-17
Estimated Number of Potential Cultural Resource Impacts on BLM LUPA Lands by Technology Type – Alternative 3

DRECP Ecoregion Subarea**	BLM LUPA		Estimated Potential Cultural Resources Impacts in DFA Footprint by Technology								Total Est CR
			Solar		Wind[1]		GT		Transmission		
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	2,192,383	87,695	7,988	320	5,738	230	0	0	4,705	188	737
Imperial Borrego Valley	927,689	9,277	11,241	112	1,687	17	5,986	60	3,271	33	222
Kingston and Funeral Mtns	1,182,198	35,466	0	0	0	0	0	0	0	0	0
Mojave and Silurian Valley	1,000,562	10,006	567	6	0	0	0	0	507	5	11
Owens River Valley	187,348	329,733	1,024	1,803	0	0	995	1,752	457	804	4,358
Panamint Death Valley	453,495	13,605	1,436	43	0	0	0	0	473	14	57
Pinto Lucerne Valley and Eastern Slopes	732,443	7,324	2,598	26	5,639	56	0	0	1,456	15	97
Piute Valley and Sacramento Mtns	929,697	27,891	0	0	0	0	0	0	0	0	0
Providence and Bullion Mtns	1,407,876	28,158	982	20	0	0	0	0	393	8	27
West Mojave and Eastern Slopes	855,245	34,210	3,826	153	1,030	41	0	0	379	15	209
Total	**9,868,936**	**583,364**	**29,663**	**2,482**	**14,094**	**344**	**6,981**	**1,812**	**11,639**	**1,081**	**5,719**

** See Table IV.8-1 for cultural resources density for each ecoregion.
[1] Project area

Table R2.8-18
Density of Cultural Resources in Variance Process Lands –Alternative 3

DRECP Ecoregion Subarea	Density of Cultural Resources*	Variance Process Lands	
		Acres	Estimated CR
Cadiz Valley and Chocolate Mountains	0.04	0	0
Imperial Borrego Valley	0.01	0	0
Kingston and Funeral Mountains	0.03	0	0
Mojave and Silurian Valley	0.01	0	0
Owens River Valley	1.76	0	0
Panamint Death Valley	0.03	0	0
Pinto Lucerne Valley and Eastern Slopes	0.01	2,332	23
Piute Valley and Sacramento Mountains	0.03	0	0
Providence and Bullion Mountains	0.02	0	0
West Mojave and Eastern Slopes	0.04	0	0
Total		**2,332**	**23**

Table R2.8-19
Estimated Number of Cultural Resources in Conservation Designations by DRECP Ecoregion Subarea – Alternative 3

DRECP Ecoregion Subarea	Density of Cultural Resources*	Estimated # of Cultural Resources	Existing Conservation Areas		BLM LUPA Conservation Designations		Percent Estimated # of Cultural Resources in Conservation
			Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	0.04	87,695	740,433	29,617	1,162,597	46,504	87%
Imperial Borrego Valley	0.01	9,277	50,993	510	411,990	4,120	50%
Kingston and Funeral Mtns	0.03	35,466	592,596	17,778	463,319	13,900	89%
Mojave and Silurian Valley	0.01	10,006	430,838	4,308	391,937	3,919	82%
Owens River Valley	1.76	329,733	29,139	51,285	56,077	98,695	45%
Panamint Death Valley	0.03	13,605	57,452	1,724	274,833	8,245	73%
Pinto Lucerne Valley and Eastern Slopes	0.01	7,324	161,522	1,615	353,909	3,539	70%
Piute Valley and Sacramento Mtns	0.03	27,891	377,794	11,334	377,463	11,324	81%
Providence and Bullion Mtns	0.02	28,158	586,917	11,738	666,241	13,325	89%
West Mojave and Eastern Slopes	0.04	34,210	83,171	3,327	568,700	22,748	76%
Total		**583,364**	**3,110,854**	**133,236**	**4,727,068**	**226,319**	**62%**

Table R2.8-20
Estimated Number of Cultural Resources in BLM Land Designations–Alternative 3

DRECP Ecoregion Subarea**	SRMA		Estimated Cultural Resources in Conservation Designations*									
			NLCS		Existing & Proposed ACEC		Wildlife Allocation		LWCs		Trail Management Corridors	
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR
Cadiz Valley and Chocolate Mtns	12,802	512	719,523	28,781	727,506	29,100	0	0	124,876	4,995	0	0
Imperial Borrego Valley	140,153	1,402	430,544	4,305	67,533	675	0	0	25	0	135,841	1,358
Kingston and Funeral Mtns	12,781	383	438,895	13,167	100,780	3,023	0	0	45,333	1,360	159,461	4,784
Mojave and Silurian Valley	71,156	712	147,879	1,479	345,815	3,458	0	0	53,922	539	281,651	2,817
Owens River Valley	31,598	55,612	47,417	83,455	12,490	21,983	0	0	6,080	10,701	918	1,615
Panamint Death Valley	87,392	2,622	181,562	5,447	111,451	3,344	0	0	79,424	2,383	0	0
Pinto Lucerne Valley and Eastern Slopes	123,789	1,238	306,166	3,062	169,797	1,698	0	0	1,920	19	54,433	544
Piute Valley and Sacramento Mtns	60,009	1,800	390,526	11,716	192,946	5,788	0	0	0	0	256	8
Providence and Bullion Mtns	654	13	583,533	11,671	256,719	5,134	0	0	44,250	885	4,772	95
West Mojave and Eastern Slopes	96,723	3,869	191,945	7,678	452,661	18,106	12,977	519	17,173	687	170,855	6,834
Total	**637,058**	**68,163**	**3,437,989**	**170,759**	**2,437,699**	**92,311**	**12,977**	**519**	**373,004**	**21,570**	**808,186**	**18,055**

† These designations overlap.
** See Table IV.8-1 for cultural resources density for each ecoregion.

R2.8.6 Alternative 4

Table R2.8-21
Estimated Number of Potential Cultural Resource Impacts on BLM LUPA Lands by Technology Type–Alternative 4

DRECP Ecoregion Subarea**	BLM LUPA		Estimated Potential Cultural Resources Impacts in DFA Footprint by Technology								Total
			Solar		Wind[1]		GT		Transmission		
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Est CR
Cadiz Valley and Chocolate Mtns	2,192,090	87,684	27,222	1,089	40,647	1,626	0	0	11,437	457	3,172
Imperial Borrego Valley	927,689	9,277	2,296	23	0	0	4,561	46	1,393	14	82
Kingston and Funeral Mtns	1,182,198	35,466	0	0	0	0	0	0	0	0	0
Mojave and Silurian Valley	1,000,562	10,006	0	0	0	0	0	0	288	3	3
Owens River Valley	187,348	329,733	817	1,437	0	0	1,127	1,983	506	890	4,311
Panamint Death Valley	453,495	13,605	674	20	0	0	0	0	243	7	28
Pinto Lucerne Valley and Eastern Slopes	732,443	7,324	200	2	2,429	24	0	0	686	7	33
Piute Valley and Sacramento Mtns	929,697	27,891	0	0	0	0	0	0	0	0	0
Providence and Bullion Mtns	1,407,876	28,158	150	3	0	0	0	0	177	4	7
West Mojave and Eastern Slopes	855,245	34,210	2,496	100	2,992	120	0	0	182	7	227
Total	**9,868,644**	**583,352**	**33,854**	**2,674**	**46,068**	**1,770**	**5,688**	**2,029**	**14,912**	**1,389**	**7,862**

** See Table IV.8-1 for cultural resources density for each ecoregion.
[1] Project area

Table R2.8-22
Density of Cultural Resources in Variance Process Lands –Alternative 4

DRECP Ecoregion Subarea	Density of Cultural Resources*	Variance Process Lands	
		Acres	Estimated CR
Cadiz Valley and Chocolate Mountains	0.04	163,712	6,548
Imperial Borrego Valley	0.01	144,030	1,440
Kingston and Funeral Mountains	0.03	34,208	1,026
Mojave and Silurian Valley	0.01	56,356	564
Owens River Valley	1.76	18,953	33,358
Panamint Death Valley	0.03	10	0
Pinto Lucerne Valley and Eastern Slopes	0.01	49,192	492
Piute Valley and Sacramento Mountains	0.03	11,282	338
Providence and Bullion Mountains	0.02	69,085	1,382
West Mojave and Eastern Slopes	0.04	30,101	1,204
Total		**576,929**	**46,353**

Table R2.8-23
Estimated Number of Cultural Resources in Conservation Designation by DRECP Ecoregion Subarea – Alternative 4

DRECP Ecoregion Subarea	Density of Cultural Resources*	Estimated # of Cultural Resources	Existing Conservation Areas		BLM LUPA Conservation Designations		Percent Estimated # of Cultural Resources in Conservation
			Acres	Est CR	Acres	Est CR	
Cadiz Valley and Chocolate Mtns	0.04	87,684	740,433	29,617	917,870	36,715	76%
Imperial Borrego Valley	0.01	9,277	50,993	510	289,999	2,900	37%
Kingston and Funeral Mtns	0.03	35,466	592,596	17,778	415,783	12,473	85%
Mojave and Silurian Valley	0.01	10,006	430,838	4,308	352,167	3,522	78%
Owens River Valley	1.76	329,733	29,139	51,285	46,535	81,902	40%
Panamint Death Valley	0.03	13,605	57,452	1,724	273,968	8,219	73%
Pinto Lucerne Valley and Eastern Slopes	0.01	7,324	161,522	1,615	332,924	3,329	68%
Piute Valley and Sacra-mento Mtns	0.03	27,891	377,794	11,334	374,570	11,237	81%
Providence and Bullion Mtns	0.02	28,158	586,917	11,738	612,695	12,254	85%
West Mojave and Eastern Slopes	0.04	34,210	83,171	3,327	567,808	22,712	76%
Total		**583,352**	**3,110,854**	**133,236**	**4,184,319**	**195,263**	**56%**

Table R2.8-24
Estimated Number of Cultural Resources in BLM Land Designations–Alternative 4

DRECP Ecoregion Subarea**	SRMA		Estimated Cultural Resources in Conservation Designations*									
			NLCS		Existing & Proposed ACEC		Wildlife Allocation		LWCs		Trail Management Corridors	
	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR	Acres	Est CR
Cadiz Valley and Chocolate Mtns	12,067	483	580,269	23,211	395,825	15,833	214,435	8,577	66,247	2,650	0	0
Imperial Borrego Valley	140,488	1,405	260,342	2,603	93,274	933	0	0	0	0	43,322	433
Kingston and Funeral Mtns	12,577	377	347,600	10,428	141,577	4,247	0	0	41,006	1,230	120,670	3,620
Mojave and Silurian Valley	94,992	950	109,826	1,098	301,568	3,016	0	0	19,541	195	99,580	996
Owens River Valley	32,238	56,738	32,556	57,298	16,873	29,696	0	0	1,636	2,880	0	0
Panamint Death Valley	88,294	2,649	185,621	5,569	106,481	3,194	0	0	79,425	2,383	0	0
Pinto Lucerne Valley and Eastern Slopes	123,855	1,239	282,953	2,830	170,377	1,704	53	1	1,799	18	7,679	77
Piute Valley and Sacramento Mtns	51,613	1,548	317,170	9,515	263,252	7,898	0	0	0	0	14,109	423
Providence and Bullion Mtns	16,237	325	403,217	8,064	333,168	6,663	41,634	833	43,797	876	1,646	33
West Mojave and Eastern Slopes	99,679	3,987	165,040	6,602	466,960	18,678	18,243	730	1,385	55	39,569	1,583
Total	**672,039**	**69,700**	**2,684,592**	**127,218**	**2,289,355**	**91,862**	**274,365**	**10,140**	**254,837**	**10,288**	**326,577**	**7,165**

† These designations overlap.
** See Table IV.8-1 for cultural resources density for each ecoregion.
Cultural resource density = 0.02.

Appendix R2.9 Native American Interests

This appendix presents data supporting the analysis in Volume IV, Chapter IV.9. This appendix is organized as follows.

- Section R2.9.1 – No Action Alternative: Tables R2.9-1 through R2.9-3
- Section R2.9.2 – Preferred Alternative: Tables R2.9-4 through R2.9-6
- Section R2.9.3 – Alternative 1: Tables R2.9-7 through R2.9-9
- Section R2.9.4 – Alternative 2: Tables R2.9-10 through R2.9-12
- Section R2.9.5 – Alternative 3: Tables R2.9-13 through R2.9-15
- Section R2.9.6 – Alternative 4: Tables R2.9-16 through R2.9-18

R2.9.1 No Action Alternative

Table R2.9-1
Acres of Native American Element in Conservation Lands by DRECP Ecoregion Subarea– No Action Alternative

DRECP Ecoregion Subarea	Existing Protected Areas (acres)	BLM Conservation Designations (acres)	Percent in Conservation
Cadiz Valley and Chocolate Mountains	165,196	10,346	58%
Imperial Borrego Valley	35,658	8,316	33%
Kingston and Funeral Mountains	181,415	7,124	70%
Mojave and Silurian Valley	40,867	15,903	76%
Owens River Valley	6,632	0	23%
Panamint Death Valley	41,024	3,245	42%
Pinto Lucerne Valley and Eastern Slopes	106,479	76,179	70%
Piute Valley and Sacramento Mountains	242,263	25,207	74%
Providence and Bullion Mountains	164,565	57,746	77%
West Mojave and Eastern Slopes	59,503	62,431	50%
Total	**1,043,601**	**266,497**	**63%**

Table R2.9-2
Acres of Native American Element by Technology Type by DRECP Ecoregion Subarea– No Action Alternative

DRECP Ecoregion Subarea	Number of NAE Acres by Technology Type				
	Solar†	Wind*	GT*	Transmission	TOTAL
Cadiz Valley and Chocolate Mountains	1,858	0	0	270	2,128
Imperial Borrego Valley	667	1,283	55	298	2,303
Kingston and Funeral Mountains	1,703	0	0	0	1,703
Mojave and Silurian Valley	0	0	0	16	16
Owens River Valley	0	0	0	0	0
Panamint Death Valley	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	216	175	0	1	393
Piute Valley and Sacramento Mountains	0	0	0	0	0
Providence and Bullion Mountains	0	0	0	0	0
West Mojave and Eastern Slopes	428	10,765	0	5	11,198
Total	**4,872**	**12,224**	**55**	**590**	**17,742**

† Includes ground-mounted distributed generation
* Project Area

Table R2.9.3
Acres of Native American Element on BLM Lands Designations by DRECP Ecoregion Subarea
No Action Alternative

DRECP Ecoregion Subarea	Existing SRMAs (acres)	Areas Managed for Recreational Emphasis (acres)	Existing ACECs (acres)
Cadiz Valley and Chocolate Mountains	0	0	27,373
Imperial Borrego Valley	1,756	33,958	32,667
Kingston and Funeral Mountains	0	862	7,505
Mojave and Silurian Valley	0	2,916	31,888
Owens River Valley	0	5,662	0
Panamint Death Valley	0	33,668	4,394
Pinto Lucerne Valley and Eastern Slopes	0	13,574	122,710
Piute Valley and Sacramento Mountains	0	2,493	99,638
Providence and Bullion Mountains	0	0	105,985
West Mojave and Eastern Slopes	0	50,095	83,112
Total	**1,756**	**143,227**	**515,272**

R2.9.2 Preferred Alternative

Table R2.9-4
Acres of Native American Element in Conservation by DRECP Ecoregion Subarea – Preferred Alternative

DRECP Ecoregion Subarea	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	TOTAL
Cadiz Valley and Chocolate Mountains	156,470	64,519	220,990
Imperial Borrego Valley	33,726	28,171	61,897
Kingston and Funeral Mountains	102,962	46,578	149,540
Mojave and Silurian Valley	41,289	11,775	53,063
Owens River Valley	6,637	16,534	23,171
Panamint Death Valley	10,463	36,843	47,306
Pinto Lucerne Valley and Eastern Slopes	72,305	88,781	161,085
Piute Valley and Sacramento Mountains	221,653	46,264	267,917
Providence and Bullion Mountains	118,769	62,560	181,329
West Mojave and Eastern Slopes	36,054	72,311	108,365
Total	**800,328**	**474,337**	**1,274,665**

Table R2.9-5
Acres of Native American Element on BLM LUPA Lands by Technology Type and DRECP Ecoregion Subarea – Preferred Alternative

DRECP Ecoregion Subarea	Number of NAE Acres by Technology Type				
	Solar†	Wind*	GT*	Transmission	TOTAL
Cadiz Valley and Chocolate Mountains	392	1,017	0	0	1,409
Imperial Borrego Valley	0	0	0	352	352
Kingston and Funeral Mountains	0	0	0	0	0
Mojave and Silurian Valley	0	0	0	2	2
Owens River Valley	28	0	50	4	81
Panamint Death Valley	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	0	0	0	0	0
Piute Valley and Sacramento Mountains	0	0	0	0	0
Providence and Bullion Mountains	0	0	0	0	0
West Mojave and Eastern Slopes	804	831	0	2	1,637
Total	**1,224**	**1,847**	**50**	**359**	**3,480**

† Includes ground-mounted distributed generation
* Project Area
**Project Area

Table R2.9-6
Acres of Native American Element on BLM Land Designation by DRECP Ecoregion Subarea – Preferred Alternative

DRECP Ecoregion Subarea	Number of NAE Acres in BLM Land Designations†						
	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	SRMA (acres)	LWCs (acres)	Trail Management Corridors (acres/miles)	
Cadiz Valley and Chocolate Mountains	52,063	32,364	0	1,411	28,378	0	0
Imperial Borrego Valley	27,679	25,920	0	5,415	0	11,047	2.3
Kingston and Funeral Mountains	44,201	5,156	0	0	9,366	23,884	7.3
Mojave and Silurian Valley	11,360	44,494	0	2,915	18	7,720	0
Owens River Valley	17,332	5,107	0	407	0	0	0
Panamint Death Valley	16,992	22,737	0	10,014	0	0	0
Pinto Lucerne Valley and Eastern Slopes	85,979	51,900	0	33,576	1,004	28,291	6.0
Piute Valley and Sacramento Mountains	46,765	75,131	0	29,174	11,236	1,561	0.4
Providence and Bullion Mountains	66,309	45,325	0	0	40,538	0	0
West Mojave and Eastern Slopes	44,379	52,433	1,310	20,502	1,276	91,864	32.6
Total	**413,060**	**360,569**	**1,310**	**103,414**	**91,817**	**164,367**	**48.7**

†These designations overlap.

R2.9.3 Alternative 1

Table R2.9-7
Acres of Native American Element in Conservation by DRECP Ecoregion Subarea – Alternative 1

DRECP Ecoregion Subarea	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	TOTAL
Cadiz Valley and Chocolate Mountains	165,196	70,029	235,225
Imperial Borrego Valley	35,658	28,444	64,102
Kingston and Funeral Mountains	181,415	45,872	227,287
Mojave and Silurian Valley	49,668	12,533	62,201
Owens River Valley	6,645	17,522	24,167
Panamint Death Valley	41,024	40,803	81,827
Pinto Lucerne Valley and Eastern Slopes	106,479	98,106	204,585
Piute Valley and Sacramento Mountains	242,263	35,707	277,970
Providence and Bullion Mountains	164,565	73,034	237,599
West Mojave and Eastern Slopes	59,503	85,934	145,437
Total	**1,052,416**	**507,983**	1,560,399

Table R2.9-8
Acres of Native American Element on BLM LUPA Lands by Technology Type by DRECP Ecoregion Subarea - Alternative 1

DRECP Ecoregion Subarea	Number of NAE Acres by Technology Type (acres)				
	Solar†	Wind*	GT*	Transmission	TOTAL
Cadiz Valley and Chocolate Mountains	105	27	0	0	132
Imperial Borrego Valley	0	0	0	442	442
Kingston and Funeral Mountains	0	0	0	0	0
Mojave and Silurian Valley	0	0	0	0	0
Owens River Valley	197	0	0	20	217
Panamint Death Valley	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	0	0	0	0	0
Piute Valley and Sacramento Mountains	0	0	0	0	0
Providence and Bullion Mountains	0	0	0	0	0
West Mojave and Eastern Slopes	0	0	0	2	2
Total	**302**	**27**	**0**	**464**	**793**

† Includes ground-mounted distributed generation
* Project Area
**Project Area

Table R2.9-9
Acres of Native American Element on BLM Land Designation by DRECP Ecoregion Subarea – Alternative 1

	Number of NAE Acres in BLM Land Designations†						
DRECP Ecoregion Subarea	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	SRMA (acres)	LWCs (acres)	Trail Management Corridors (acres/miles)	
Cadiz Valley and Chocolate Mountains	33,750	23,642	27,786	1,439	24,545	0	0
Imperial Borrego Valley	14,586	33,022	6,388	1,926	0	1,187	3.4
Kingston and Funeral Mountains	22,708	25,502	0	0	1,359	2,290	7.3
Mojave and Silurian Valley	5,837	26,058	0	0	1,258	0	0
Owens River Valley	3,903	13,858	0	0	4,544	0	0
Panamint Death Valley	17,199	25,617	140	10,014	14,605	0	0
Pinto Lucerne Valley and Eastern Slopes	6,264	131,545	0	30,362	0	1,574	6.1
Piute Valley and Sacramento Mountains	20,978	88,880	0	28,975	0	136	0.5
Providence and Bullion Mountains	26,049	85,639	8,647	104	0	0	0
West Mojave and Eastern Slopes	22,336	77,853	1,356	20,616	0	8,446	32.6
Total	**173,610**	**531,616**	**44,317**	**93,436**	**46,311**	**13,633**	**50.0**

†These designations overlap.

R2.9.4 Alternative 2

Table R2.9-10
Acres of Native American Element in Conservation Designations by DRECP Ecoregion Subarea – Alternative 2

DRECP Ecoregion Subarea	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	TOTAL
Cadiz Valley and Chocolate Mountains	165,196	82,568	247,764
Imperial Borrego Valley	35,658	58,308	93,966
Kingston and Funeral Mountains	181,415	61,100	242,514
Mojave and Silurian Valley	49,668	16,238	65,906
Owens River Valley	6,645	17,548	24,193
Panamint Death Valley	41,024	40,197	81,221
Pinto Lucerne Valley and Eastern Slopes	106,479	91,737	198,216
Piute Valley and Sacramento Mountains	242,263	76,352	318,616
Providence and Bullion Mountains	164,565	84,693	249,258
West Mojave and Eastern Slopes	59,503	105,026	164,528
Total	**1,052,416**	**633,766**	1,686,182

Table R2.9-11
Acres of Native American Element on BLM LUPA Lands by Technology Type by DRECP Ecoregion Subarea– Alternative 2

DRECP Ecoregion Subarea	Number of NAE Acres by Technology Type (acres)				
	Solar†	Wind*	GT*	Transmission	TOTAL
Cadiz Valley and Chocolate Mountains	229	2,909	0	123	3,260
Imperial Borrego Valley	190	1,663	0	399	2,251
Kingston and Funeral Mountains	0	0	0	0	0
Mojave and Silurian Valley	0	0	0	19	19
Owens River Valley	17	0	42	7	66
Panamint Death Valley	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	88	2,359	0	65	2,512
Piute Valley and Sacramento Mountains	0	0	0	0	0
Providence and Bullion Mountains	0	0	0	0	0
West Mojave and Eastern Slopes	153	57	0	1	211
Total	**677**	**6,987**	**42**	**614**	**8,320**

† Includes ground-mounted distributed generation
* Project Area
**Project Area

Table R2.9-12
Native American Element Acres of BLM Land Designation by DRECP Ecoregion Subarea – Alternative 2

DRECP Ecoregion Subarea	Number of NAE Acres in BLM Land Designations†						
	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	SRMA (acres)	LWCs (acres)	Trail Management Corridors (acres/miles)	
Cadiz Valley and Chocolate Mountains	83,926	16,973	0	89	20,596	0	0
Imperial Borrego Valley	64,371	23,877	0	1,923	0	33,232	3.4
Kingston and Funeral Mountains	63,165	509	0	0	1,359	54,651	7.3
Mojave and Silurian Valley	15,961	16,137	0	0	0	42,751	0
Owens River Valley	17,325	511	0	0	4,035	5,109	0
Panamint Death Valley	37,772	4,546	0	10,674	14,601	0	0
Pinto Lucerne Valley and Eastern Slopes	97,139	24,742	0	30,032	0	55,765	6.1
Piute Valley and Sacramento Mountains	79,352	73,312	0	126	0	6,214	0.5
Providence and Bullion Mountains	87,060	45,700	0	0	0	1,254	0
West Mojave and Eastern Slopes	90,950	26,148	0	10,859	0	117,885	32.6
Total	**637,021**	**232,455**	**0**	**53,703**	**40,591**	**316,860**	**50.0**

†These designations overlap.

R2.9.5 Alternative 3

Table R2.9-13
Acres of Native American Element in Conservation Designations by DRECP Ecoregion Subarea–Alternative 3

DRECP Ecoregion Subarea	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	TOTAL
Cadiz Valley and Chocolate Mountains	165,196	69,459	234,655
Imperial Borrego Valley	35,658	28,354	64,012
Kingston and Funeral Mountains	181,415	45,467	226,882
Mojave and Silurian Valley	49,668	13,145	62,813
Owens River Valley	6,645	17,322	23,967
Panamint Death Valley	41,024	40,803	81,827
Pinto Lucerne Valley and Eastern Slopes	106,479	96,324	202,803
Piute Valley and Sacramento Mountains	242,263	35,584	277,847
Providence and Bullion Mountains	164,565	73,112	237,677
West Mojave and Eastern Slopes	59,503	86,604	146,107
Total	**1,052,416**	**506,174**	1,558,590

Table R2.9-14
Acres of Native American Element on BLM LUPA Lands by Technology Type by DRECP Ecoregion Subarea – Alternative 3

DRECP Ecoregion Subarea	Number of NAE Acres by Technology Type (acres)				
	Solar†	Wind*	GT*	Transmission	TOTAL
Cadiz Valley and Chocolate Mountains	134	96	0	0	230
Imperial Borrego Valley	0	0	0	383	383
Kingston and Funeral Mountains	0	0	0	0	0
Mojave and Silurian Valley	0	0	0	0	0
Owens River Valley	52	0	51	8	110
Panamint Death Valley	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	0	0	0	0	0
Piute Valley and Sacramento Mountains	0	0	0	0	0
Providence and Bullion Mountains	0	0	0	0	0
West Mojave and Eastern Slopes	0	0	0	4	4
Total	**186**	**96**	**51**	**394**	**727**

† Includes ground-mounted distributed generation
* Project Area
**Project Area

Table R2.9-15
Acres of Native American Element on BLM Land Designation by DRECP Ecoregion Subarea– Alternative 3

DRECP Ecoregion Subarea	Number of NAE Acres in BLM Land Designations†						
	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	SRMA (acres)	LWCs (acres)	Trail Management Corridors (acres/miles)	
Cadiz Valley and Chocolate Mountains	41,811	43,545	0	1,439	21,745	0	0
Imperial Borrego Valley	22,163	31,833	0	1,923	0	7,353	1.3
Kingston and Funeral Mountains	42,638	5,101	0	0	1,359	27,176	7.3
Mojave and Silurian Valley	12,108	20,289	0	0	0	5,999	0
Owens River Valley	17,330	509	0	0	4,035	0	0
Panamint Death Valley	17,339	25,617	0	10,014	14,601	0	0
Pinto Lucerne Valley and Eastern Slopes	83,908	52,411	0	31,851	0	25,867	6.1
Piute Valley and Sacramento Mountains	31,262	78,492	0	28,943	0	10	0.1
Providence and Bullion Mountains	64,960	55,483	0	0	0	0	0
West Mojave and Eastern Slopes	63,329	37,453	766	20,614	0	98,090	21.6
Total	**396,848**	**350,733**	**766**	**94,784**	**41,740**	**164,496**	**36.5**

†These designations overlap.

R2.9.6 Alternative 4

Table R2.9-16
Acres of Native American Element in Conservation Designations by DRECP Ecoregion Subarea–Alternative 4

DRECP Ecoregion Subarea	Existing Conservation Areas (acres)	BLM LUPA Conservation Designations (acres)	TOTAL
Cadiz Valley and Chocolate Mountains	165,196	41,334	206,530
Imperial Borrego Valley	35,658	22,357	58,015
Kingston and Funeral Mountains	181,415	45,444	226,858
Mojave and Silurian Valley	49,668	12,654	62,322
Owens River Valley	6,645	17,300	23,945
Panamint Death Valley	41,024	40,803	81,827
Pinto Lucerne Valley and Eastern Slopes	106,479	95,565	202,044
Piute Valley and Sacramento Mountains	242,263	33,290	275,553
Providence and Bullion Mountains	164,565	73,036	237,601
West Mojave and Eastern Slopes	59,503	86,200	145,703
Total	**1,052,415**	**467,982**	1,520,397

Table R2.9-17
Acres of Native American Element on BLM LUPA Lands by Technology Type by DRECP Ecoregion Subarea– Alternative 4

DRECP Ecoregion Subarea	Number of NAE Acres by Technology Type (acres)				
	Solar†	Wind*	GT*	Transmission	TOTAL
Cadiz Valley and Chocolate Mountains	600	896	0	0	1,496
Imperial Borrego Valley	0	0	0	182	182
Kingston and Funeral Mountains	0	0	0	0	0
Mojave and Silurian Valley	0	0	0	1	1
Owens River Valley	42	0	58	8	108
Panamint Death Valley	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	0	0	0	0	0
Piute Valley and Sacramento Mountains	0	0	0	0	0
Providence and Bullion Mountains	0	0	0	0	0
West Mojave and Eastern Slopes	82	104	0	1	187
Total	**723**	**1,000**	**58**	**193**	**1,973**

† Includes ground-mounted distributed generation
* Project Area
**Project Area

Table R2.9-18
Acres of Native American Element on BLM Land Designation by DRECP Ecoregion Subarea– Alternative 4

DRECP Ecoregion Subarea	Number of NAE Acres in BLM Land Designations†						
	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	SRMA (acres)	LWCs (acres)	Trail Management Corridors (acres/miles)	
Cadiz Valley and Chocolate Mountains	36,145	19,767	41	475	24,590	0	0
Imperial Borrego Valley	16,472	31,242	0	1,926	0	3,758	3.4
Kingston and Funeral Mountains	42,632	5,101	0	0	1,359	7,552	7.3
Mojave and Silurian Valley	9,874	19,993	0	0	0	361	0
Owens River Valley	17,329	464	0	0	326	0	0
Panamint Death Valley	17,339	25,617	0	10,014	14,605	0	0
Pinto Lucerne Valley and Eastern Slopes	84,952	50,533	0	31,845	0	5,716	6.1
Piute Valley and Sacramento Mountains	30,586	76,753	0	27,213	0	533	0.5
Providence and Bullion Mountains	50,584	61,109	8,647	0	0	0	0
West Mojave and Eastern Slopes	49,932	50,255	1,350	20,613	0	26,531	32.6
Total	**355,845**	**340,834**	**10,038**	**92,086**	**40,879**	**44,452**	**50.0**

†These designations overlap.

Appendix R2.10 Paleontological Resources

This appendix presents data supporting the analysis in Volume IV, Chapter IV.10. This appendix is organized as follows.

- Section R2.10.1 – No Action Alternative: Table R2.10-1
- Section R2.10.2 – Preferred Alternative: Table R2.10-2
- Section R2.10.3 – Alternative 1: Table R2.10-3
- Section R2.10.4 – Alternative 2: Table R2.10-4
- Section R2.10.5 – Alternative 3: Table R2.10-5
- Section R2.10.6 – Alternative 4: Table R2.10-6

Note on Rounding of Data. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 10 0; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

R2.10.1 No Action Alternative

Table R2.10-1
Potential BLM LUPA Paleontological Resource Impacts by Ecoregion Subarea – No Action Alternative

Ecoregion Subareas	Low/Very Low (PFYC Class 1 or 2)		Moderate/Unknown (PFYC Class 3)		High/Very High (PFYC Class 4 or 5)		Grand Total (Acres)[1,2]
	Acres	Percent	Acres	Percent	Acres	Percent	
Cadiz Valley and Chocolate Mountains	4,000	12.0%	17,000	58.9%	9,000	29.1%	29,000
Imperial Borrego Valley	400	4.8%	4,000	56.2%	3,000	39.0%	8,000
Kingston and Funeral Mountains	3,000	22.6%	9,000	64.6%	2,000	12.7%	13,000
Mojave and Silurian Valley	0	29.2%	10	51.1%	0	19.8%	20
Owens River Valley	—	—	—	—	—	—	—
Panamint Death Valley	—	—	—	—	—	—	—
Pinto Lucerne Valley and Eastern Slopes	300	53.1%	200	31.3%	90	15.6%	600
Piute Valley and Sacramento Mountains	—	—	—	—	—	—	—
Providence and Bullion Mountains	2,000	24.1%	6,000	59.6%	2,000	16.3%	10,000
West Mojave and Eastern Slopes	2,000	32.4%	2,000	41.3%	1,000	26.3%	5,000
Estimated Footprint Impacts (acres)	**14,000**	**23.2%**	**32,000**	**52.0%**	**15,000**	**24.7%**	**61,000**

[1] Grand totals may not match the sum of PFYC classes because it includes areas mapped as water features which could not be assigned a PFYC class.
[2] Grand total may be less than the area of permanent disturbance shown in Table IV.1-1, because transmission scenarios were not included in the analysis.

R2.10.2 Preferred Alternative

Table R2.10-2
Potential BLM LUPA Paleontological Resource Impacts by Ecoregion Subarea – Preferred Alternative

Ecoregion Subareas	Low/Very Low (PFYC Class 1 or 2)		Moderate/Unknown (PFYC Class 3)		High/Very High (PFYC Class 4 or 5)		Grand Total (Acres) [1]
	Acres	Percent	Acres	Percent	Acres	Percent	
Cadiz Valley and Chocolate Mountains	200	1%	15,000	71%	6,000	28%	21,000
Imperial Borrego Valley	--	--	13,000	82%	1,000	8%	16,000
Kingston and Funeral Mountains	--	--	100	100%	--	--	100
Mojave and Silurian Valley	30	8%	300	76%	60	16%	400
Owens River Valley	40	2%	1,000	98%	--	--	2,000
Panamint Death Valley	--	--	2,000	99.4%	--	--	2,000
Pinto Lucerne Valley and Eastern Slopes	200	11%	2,000	77%	300	13%	2,000
Providence and Buillion Mountains	100	17%	500	83%	--	--	700
West Mojave and Eastern Slopes	2,000	26%	4,000	47%	2,000	27%	8,000
Estimated Footprint Impacts (acres)	**3,000**	**5%**	**39,000**	**74%**	**10,000**	**19%**	**53,000**

[1] Grand totals may not match the sum of PFYC classes because it includes areas mapped as water features which could not be assigned a PFYC class.
[2] Grand total may be less than the area of permanent disturbance shown in Table IV.1-1, because transmission scenarios were not included in the analysis.

R2.10.3 Alternative 1

Table R2.10-3
Potential BLM LUPA Paleontological Resource Impacts by Ecoregion Subarea – Alternative 1

Ecoregion Subareas	Low/Very Low (PFYC Class 1 or 2)		Moderate/Unknown (PFYC Class 3)		High/Very High (PFYC Class 4 or 5)		Grand Total (Acres)[1,2]
	Acres	Percent	Acres	Percent	Acres	Percent	
Cadiz Valley and Chocolate Mountains	0	0.0%	3,000	82.7%	700	17.3%	4,000
Imperial Borrego Valley	0	0.0%	6,000	85.6%	1,000	14.4%	7,000
Owens River Valley	100	3.8%	4,000	96.2%	0	0.0%	4,000
Pinto Lucerne Valley and Eastern Slopes	800	33.3%	900	37.9%	700	28.8%	2,000
Providence and Buillion Mountains	200	73.6%	80	26.4%	0	0.0%	300
West Mojave and Eastern Slopes	300	30.5%	500	53.0%	200	16.5%	1,000
Estimated Footprint Impacts (acres)	**1,000**	**7.9%**	**14,000**	**78.4%**	**3,000**	**13.7%**	**18,000**

[1] Grand totals may not match the sum of PFYC classes because it includes areas mapped as water features which could not be assigned a PFYC class.
[2] Grand total may be less than the area of permanent disturbance shown in Table IV.1-1, because transmission scenarios were not included in the analysis.

R2.10.4 Alternative 2

Table R2.10-4
Potential BLM LUPA Paleontological Resource Impacts by Ecoregion Subarea – Alternative 2

Ecoregion Subareas	Low/Very Low (PFYC Class 1 or 2)		Moderate/Unknown (PFYC Class 3)		High/Very High (PFYC Class 4 or 5)		Grand Total (Acres)[1,2]
	Acres	Percent	Acres	Percent	Acres	Percent	
Cadiz Valley and Chocolate Mountains	200	1.7%	10,000	72.1%	4,000	26.3%	14,000
Imperial Borrego Valley	900	5.4%	9,000	58.6%	6,000	36.0%	16,000
Kingston and Funeral Mountains	100	7.6%	1,000	91.2%	20	1.2%	1,000
Mojave and Silurian Valley	40	1.6%	2,000	96.6%	40	1.8%	2,000
Owens River Valley	40	3.3%	1,000	96.7%	0	0.0%	1,000
Panamint Death Valley	0	0.0%	700	99.1%	0	0.0%	700
Pinto Lucerne Valley and Eastern Slopes	1,000	26.6%	2,000	63.2%	400	10.1%	4,000
Providence and Bullion Mountains	500	29.4%	800	52.3%	300	18.3%	2,000
West Mojave and Eastern Slopes	2,000	18.2%	5,000	38.4%	6,000	43.4%	13,000
Estimated Footprint Impacts (acres)	**5,000**	**9.4%**	**33,000**	**61.3%**	**16,000**	**29.3%**	**54,000**

[1] Grand totals may not match the sum of PFYC classes because it includes areas mapped as water features which could not be assigned a PFYC class.
[2] Grand total may be less than the area of permanent disturbance shown in Table IV.1-1, because transmission scenarios were not included in the analysis.

R2.10.5 Alternative 3

Table R2.10-5
Potential BLM LUPA Paleontological Resource Impacts by Ecoregion Subarea – Alternative 3

Ecoregion Subareas	Low/Very Low (PFYC Class 1 or 2)		Moderate/Unknown (PFYC Class 3)		High/Very High (PFYC Class 4 or 5)		Grand Total (Acres)[1,2]
	Acres	Percent	Acres	Percent	Acres	Percent	
Cadiz Valley and Chocolate Mountains	60	0.7%	6,000	68.2%	3,000	31.1%	8,000
Imperial Borrego Valley	0	0.0%	14,000	87.4%	2,000	12.6%	17,000
Mojave and Silurian Valley	50	8.1%	400	76.3%	90	15.6%	600
Owens River Valley	80	3.8%	2,000	96.2%	0	0.0%	2,000
Panamint Death Valley	0	0.0%	1,000	99.0%	0	0.0%	1,000
Pinto Lucerne Valley and Eastern Slopes	400	15.0%	2,000	69.6%	500	15.4%	3,000
Providence and Bullion Mountains	200	17.4%	800	82.6%	0	0.0%	1,000
West Mojave and Eastern Slopes	500	11.9%	3,000	82.2%	200	5.9%	4,000
Estimated Footprint Impacts (acres)	**1,000**	**3.4%**	**30,000**	**81.6%**	**6,000**	**14.9%**	**37,000**

[1] Grand totals may not match the sum of PFYC classes because it includes areas mapped as water features which could not be assigned a PFYC class.
[2] Grand total may be less than the area of permanent disturbance shown in Table IV.1-1, because transmission scenarios were not included in the analysis.

R2.10.6 Alternative 4

Table R2.10-6
Potential BLM LUPA Paleontological Resource Impacts by Ecoregion Subarea – Alternative 4

Ecoregion Subareas	Low/Very Low (PFYC Class 1 or 2)		Moderate/Unknown (PFYC Class 3)		High/Very High (PFYC Class 4 or 5)		Grand Total (Acres)[1,2]
	Acres	Percent	Acres	Percent	Acres	Percent	
Cadiz Valley and Chocolate Mountains	300	1.2%	22,000	73.4%	8,000	25.4%	30,000
Imperial Borrego Valley	0	0.0%	5,000	87.5%	700	12.5%	6,000
Owens River Valley	70	3.8%	2,000	96.2%	0	0.0%	2,000
Panamint Death Valley	0	0.0%	700	100.0%	0	0.0%	700
Pinto Lucerne Valley and Eastern Slopes	100	31.9%	200	42.9%	100	25.3%	400
Providence and Bullion Mountains	100	73.6%	40	26.4%	0	0.0%	200
West Mojave and Eastern Slopes	500	17.1%	2,000	58.2%	700	24.7%	3,000
Estimated Footprint Impacts (acres)	**1,000**	**2.7%**	**31,000**	**75.5%**	**9,000**	**21.8%**	**41,000**

[1] Grand totals may not match the sum of PFYC classes because it includes areas mapped as water features which could not be assigned a PFYC class.
[2] Grand total may be less than the area of permanent disturbance shown in Table IV.1-1, because transmission scenarios were not included in the analysis.

Appendix R2.14 BLM Land Designations, Classifications, Allocations, and Lands with Wilderness Characteristics

This appendix presents data supporting the analysis in Volume IV, Chapter IV.14. This appendix includes 6 tables that present:

- Areas of Critical Environmental Concern (ACEC) within Available Development Areas (No Action) or DFAs in each alternative
- SRMAs on BLM Lands by Alternative
- BLM Existing Multiple Use Classes by Alternative

Note on Rounding of Data. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

Table R2.14-1 Areas of Critical Environmental Concern by Alternative

No Action Alternative		Preferred Alternative		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
ACEC Unit Name	Acres in this Alternative	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action
Afton Canyon	9,000	9,000	0	9,000	0	9,000	0	9,000	0	9,000	0
Alligator Rock	7,000	7,000	0	7,000	0	7,000	0	7,000	0	7,000	0
Amargosa North	7,000	116,000	109,000	116,000	109,000	116,000	109,000	116,000	109,000	116,000	109,000
Amargosa South	19,000	148,000	129,000	137,000	118,000	148,000	129,000	135,000	116,000	0	-19,000
Amboy Crater	600	600	0	600	0	600	0	600	0	600	0
Ayres Rock	1,500	1,500	0	1,500	0	1,500	0	1,500	0	1,500	0
Barstow Woolly Sunflower	18,000	19,000	1,000	19,000	1,000	19,000	1,000	19,000	1,000	19,000	1,000
Bedrock Spring	800	800	0	800	0	800	0	800	0	800	0
Bendire's Thrasher	12,000	10,000	-2,000	12,000	0	12,000	0	12,000	0	12,000	0
Big Morongo Canyon	12,000	25,000	13,000	25,000	13,000	25,000	13,000	25,000	13,000	25,000	13,000
Big Rock Creek Wash	0	300	300	0	0	0	0	0	0	0	0
Bigelow Cholla RNA	100	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Black Mountain	51,000	51,000	0	51,000	0	51,000	0	51,000	0	51,000	0
Brisbane Valley Monkey Flower	0	12,000	12,000	13,000	13,000	11,000	11,000	13,000	13,000	12,000	12,000
Bristol Mountains (Expansion)	0	214,000	214,000	214,000	214,000	191,000	191,000	214,000	214,000	189,000	189,000
Cadiz Valley ACEC	0	191,000	191,000	19,000	19,000	232,000	232,000	233,000	233,000	19,000	19,000
Cadiz Valley Wildlife Allocation	0	0	0	213,000	213,000	0	0	0	0	213,000	213,000
Calico Early Man Site	800	800	0	800	0	800	0	800	0	800	0
Caliente Creek Area of Ecological Importance	0	0	0	0	0	150	150	150	150	0	0
Caliente Creek Wildlife Allocation	0	150	150	150	150	0	0	0	0	150	150
Carbonate Endemic Plants RNA	4,000	5,000	1,000	5,000	1,000	5,000	1,000	5,000	1,000	5,000	1,000
Castle Mountains	0	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000
Cerro Gordo (Expansion)	9,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Cerro Gordo WSA	0	600	600	0	0	0	0	0	0	0	0
Chemehuevi	823,000	875,000	52,000	875,000	52,000	875,000	52,000	875,000	52,000	875,000	52,000
Christmas Canyon	3,000	3,000	0	3,000	0	3,000	0	3,000	0	3,000	0
Chuckwalla	432,000	514,000	82,000	514,000	82,000	513,000	81,000	514,000	82,000	514,000	82,000
Chuckwalla - Chemehuevi Tortoise Linkage	0	320,000	320,000	223,000	223,000	222,000	222,000	320,000	320,000	128,000	128,000

Table R2.14-1 Areas of Critical Environmental Concern by Alternative

No Action Alternative		Preferred Alternative		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
ACEC Unit Name	Acres in this Alternative	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action
Chuckwalla - Chemehuevi Tortoise Linkage Wildlife Allocation	0	0	0	97,000	97,000	97,000	98,000	0	0	97,000	98,000
Chuckwalla Dune Thicket	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Clark Mountain	4,000	4,000	0	4,000	0	4,000	0	4,000	0	4,000	0
Coachella Valley Fringe-toed Lizard	10,000	10,000	0	10,000	0	10,000	0	10,000	0	10,000	0
Conglomerate Mesa	0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Coolgardie Mesa	10,000	10,000	0	10,000	0	10,000	0	10,000	0	10,000	0
Corn Springs	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Coyote Mountains Fossil Site	5,000	6,000	1,000	6,000	1,000	6,000	1,000	6,000	1,000	6,000	1,000
Crater Mountain WSA	0	1,000	1,000	0	0	0	0	0	0	0	0
Cronese Basin	8,500	8,500	0	8,500	0	8,500	0	8,500	0	8,500	0
Dagget Ridge Monkey Flower	0	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000
Dead Mountains	27,000	27,000	0	27,000	0	27,000	0	27,000	0	27,000	0
Denning Springs	400	400	0	400	0	400	0	400	0	400	0
Desert Lily Preserve	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Desert Tortoise Research Natural Area	22,000	22,000	0	22,000	0	22,000	0	22,000	0	22,000	0
Dos Palmas	8,000	8,000	0	8,000	0	8,000	0	8,000	0	8,000	0
Dumont Dunes Corridor	0	0	0	11,000	11,000	11,000	11,000	0	0	11,000	11,000
Eagles Flyway	0	11,000	11,000	11,000	11,000	0	0	11,000	11,000	11,000	11,000
East Mesa	38,000	88,000	50,000	92,000	54,000	82,000	44,000	92,000	54,000	82,000	44,000
El Paso to Golden Valley Wildlife Corridor	0	58,000	58,000	58,000	58,000	56,000	56,000	58,000	58,000	58,000	58,000
Fossil Falls	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Fremont-Kramer Reduction	312,000	310,000	-2,000	311,000	-1,000	258,000	-54,000	309,000	-3,000	309,000	-3,000
Granite Mountain Wildlife Linkage	0	39,000	39,000	39,000	39,000	0	0	39,000	39,000	37,000	37,000
Great Falls Basin Argus Range	9,000	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000	10,000	1,000
Halloran Wash	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Harper Dry Lake	500	500	0	500	0	500	0	500	0	500	0
Horse Canyon	1,500	1,500	0	1,500	0	1,500	0	7,000	5,500	1,500	0

Table R2.14-1 Areas of Critical Environmental Concern by Alternative

No Action Alternative		Preferred Alternative		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
ACEC Unit Name	Acres in this Alternative	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action
Independence Creek WSA	0	7,000	7,000	0	0	0	0	0	0	0	0
Indian Pass	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Ivanpah	35,000	79,000	44,000	89,000	54,000	89,000	54,000	89,000	54,000	89,000	54,000
Jawbone/Butterbredt	146,000	153,000	7,000	153,000	7,000	153,000	7,000	153,000	7,000	153,000	7,000
Juniper Flats	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Kelso Creek Monkeyflower	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Kingston Range	19,000	19,000	0	19,000	0	19,000	0	19,000	0	19,000	0
Lake Cahuilla	8,000	9,000	1,000	30,000	22,000	28,000	19,000	30,000	22,000	24,000	16,000
Last Chance Canyon	5,000	5,000	0	5,000	0	5,000	0	5,000	0	5,000	0
Manix Paleontological Area	3,000	3,000	0	3,000	0	3,000	0	3,000	0	3,000	0
Manzanar	0	500	500	500	500	500	500	500	500	300	300
Marble Mountain Fossil Bed	200	200	0	200	0	200	0	200	0	200	0
McCoy Valley	0	26,000	26,000	0	0	26,000	26,000	50,000	50,000	19,000	19,000
McCoy Valley Wildlife Allocation	0	0	0	55,000	55,000	0	0	0	0	0	0
McCoy Wash	0	6,000	6,000	6,000	6,000	0	0	6,000	6,000	0	0
Mesquite Hills/Crucero	5,000	5,000	0	5,000	0	5,000	0	5,000	0	5,000	0
Mesquite Lake	7,000	7,000	0	7,000	0	7,000	0	7,000	0	7,000	0
Middle Knob	18,000	18,000	0	18,000	0	18,000	0	18,000	0	18,000	0
Mojave Fishhook Cactus	600	600	0	600	0	600	0	600	0	600	0
Mojave Fringe-toed Lizard	22,000	22,000	0	22,000	0	22,000	0	22,000	0	22,000	0
Mojave Ground Squirrel	0	199,000	199,000	155,000	155,000	190,000	190,000	211,000	211,000	211,000	211,000
Mopah Spring	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Mountain Pass / Dinosaur Trackway	600	600	0	600	0	600	0	600	0	600	0
Mule - McCoy Linkage	0	51,000	51,000	0	0	51,000	51,000	72,000	72,000	0	0
Mule - McCoy Linkage Wildlife Allocation	0	0	0	72,000	72,000	0	0	0	0	0	0
Mule Mountains	4,000	4,000	0	4,000	0	4,000	0	4,000	0	4,000	0
North Algodones Dunes	26,000	26,000	0	26,000	0	26,000	0	26,000	0	26,000	0
Northen Lucerne Wildlife Linkage	0	22,000	22,000	33,000	33,000	0	0	24,000	24,000	21,000	21,000
Ocotillo	0	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Olancha Greasewood	0	26,000	26,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000

Table R2.14-1 Areas of Critical Environmental Concern by Alternative

No Action Alternative		Preferred Alternative		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
ACEC Unit Name	Acres in this Alternative	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action
Old Woman Springs Wildlife Linkage ACEC	0	56,000	56,000	52,000	52,000	12,000	12,000	68,000	68,000	68,000	68,000
Old Woman Springs Wildlife Linkage Wildlife Allocation	0	0	0	16,000	16,000	0	0	0	0	15,000	15,000
Ord-Rodman (including Ord Rodman Expansion)	220,000	231,000	11,000	219,000	-1,000	152,000	-68,000	219,000	-1,000	219,000	-1,000
Owens Lake	0	10,000	10,000	10,000	10,000	9,000	9,000	10,000	10,000	1,000	1,000
Palen Dry Lake	4,000	4,000	0	4,000	0	4,000	0	4,000	0	4,000	0
Palen – Ford Playa Dunes	0	41,000	41,000	0	0	21,000	21,000	63,000	63,000	18,000	18,000
Palen – Ford Playa Dunes Wildlife Allocation	0	0	0	63,000	63,000	0	0	0	0	0	0
Panamint and Argus: Panamint Lake Unit	0	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000
Panamints and Argus: Mountain Unit	0	104,000	104,000	0	0	102,000	102,000	101,000	101,000	102,000	102,000
Panamints and Argus: Mountain Unit Wildlife Allocation	0	0	0	105,000	105,000	0	0	0	0	0	0
Parish's Phacelia	42,000	42,000	0	42,000	0	40,000	-2,000	42,000	0	26,000	-16,000
Patton's Iron Mountain Divisional Camp	16,000	16,000	0	16,000	0	16,000	0	16,000	0	16,000	0
Picacho	0	185,000	185,000	0	0	140,000	140,000	185,000	185,000	0	0
Pilot Knob	900	900	0	900	0	900	0	900	0	900	0
Pinto Mountain	110,000	110,000	0	110,000	0	110,000	0	110,000	0	110,000	0
Pipes Canyon	0	9,000	9,000	9,000	9,000	3,000	3,000	9,000	9,000	7,000	7,000
Pisgah RNA (including Pisgah Expansion)	18,000	42,000	24,000	42,000	24,000	40,000	22,000	42,000	24,000	26,000	8,000
Piute-Fenner	153,000	156,000	3,000	157,000	4,000	156,000	3,000	157,000	4,000	157,000	4,000
Plank Road	300	300	0	300	0	300	0	300	0	300	0
Rainbow Basin/Owl Canyon	4,000	4,000	0	4,000	0	4,000	0	4,000	0	4,000	0
Red Mountain Spring	700	700	0	700	0	700	0	700	0	700	0
Rodman Mountains Cultural Area	6,000	6,000	0	6,000	0	6,000	0	6,000	0	6,000	0
Rose Spring	800	800	0	800	0	800	0	800	0	800	0
Saline Valley	1,000	1,000	0	1,000	0	1,000	0	1,000	0	1,000	0

Table R2.14-1 Areas of Critical Environmental Concern by Alternative

No Action Alternative		Preferred Alternative		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
ACEC Unit Name	Acres in this Alternative	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action
Salt Creek	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Salton Sea Test Base	0	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
San Sebastian Marsh/San Felipe Creek	7,000	7,000	0	7,000	0	7,000	0	7,000	0	7,000	0
Sand Canyon	3,000	3,000	0	3,000	0	3,000	0	3,000	0	3,000	0
Santos Manuel	0	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	24,000	24,000
Shadow Valley	95,000	197,000	102,000	199,000	104,000	165,000	70,000	199,000	104,000	95,000	0
Shoreline	0	12,000	12,000	30,000	30,000	28,000	28,000	30,000	30,000	24,000	24,000
Short Canyon	800	800	0	800	0	800	0	800	0	800	0
Sierra Canyons	0	26,000	26,000	27,000	27,000	22,000	22,000	28,000	28,000	28,000	28,000
Singer Geoglyphs	2,000	2,000	0	2,000	0	2,000	0	2,000	0	2,000	0
Soda Mountain Expansion	0	17,000	17,000	0	0	0	0	0	0	0	0
Soggy Dry Lake Creosote Rings	200	200	0	500	300	200	0	500	300	500	300
Southern Inyo WSA	0	3,000	3,000	0	0	0	0	0	0	0	0
Steam Well	40	40	0	40	0	40	0	40	0	40	0
Superior-Cronese	407,000	397,000	-10,000	406,000	-1,000	337,000	-70,000	406,000	-1,000	337,000	-70,000
Surprise Canyon	5,000	5,000	0	5,000	0	5,000	0	5,000	0	5,000	0
Symmes Creek WSA	0	8,000	8,000	0	0	0	0	0	0	0	0
Tehachapi Linkage	0	0	0	0	0	18,000	18,000	0	0	0	0
Tehachapi Linkage Wildlife Allocation	0	18,000	18,000	18,000	18,000	0	0	13,000	13,000	18,000	18,000
Trona Pinnacles	4,000	4,000	0	4,000	0	4,000	0	4,000	0	4,000	0
Turtle Mountains	50,000	50,000	0	50,000	0	50,000	0	50,000	0	50,000	0
Upper Johnson Valley Yucca Rings	300	300	0	300	0	300	0	300	0	300	0
Upper McCoy	0	37,000	37,000	0	0	37,000	37,000	37,000	37,000	37,000	37,000
Upper McCoy Wildlife Allocation	0	0	0	37,000	37,000	0	0	0	0	0	0
Warm Sulfur Springs	300	300	0	300	0	300	0	300	0	300	0
West Mesa	19,000	83,000	64,000	82,000	63,000	82,000	63,000	82,000	63,000	82,000	63,000
West Paradise	200	200	0	200	0	200	0	200	0	200	0
Western Rand Mountains	31,000	30,000	-1,000	31,000	0	18,000	-13,000	30,000	-1,000	30,000	-1,000
Whipple Mountains	3,000	3,000	0	3,000	0	3,000	0	3,000	0	3,000	0
White Mountain City	1,000	1,000	0	1,000	0	1,000	0	1,000	0	1,000	0

Table R2.14-1 Areas of Critical Environmental Concern by Alternative

No Action Alternative		Preferred Alternative		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
ACEC Unit Name	Acres in this Alternative	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action	Acres in this Alternative	Difference with No Action
White Mountain WSA	9,000	9,000	0	9,000	0	9,000	0	9,000	0	9,000	0
Whitewater Canyon	14,000	15,000	1,000	14,000	0	14,000	0	14,000	0	14,000	0
Yuha Basin	67,000	77,000	10,000	75,000	8,000	75,000	8,000	75,000	8,000	75,000	8,000

Shading indicates ACEC units that do not occur in that alternative

Shading indicates Wildlife Allocation acres

Data has been rounded; totals may not sum due to rounding

Note: Acres represent BLM-administered lands only.

Table R2.14-2
Existing and Proposed SRMAs by Alternative

SRMA Unit Name	No Action Alternative	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Afton Canyon	0	18 000	36,000	36,000	36,000	36,000
Alabama Hills and Alabama Hills NSCMA	29,000	29,000	29,000	29,000	29,000	29,000
Amargosa/Grimshaw	0	60,000	60,000	60,000	60,000	60,000
Chemehuevi Valley Rock Collecting and Touring	0	223,000	223,000	223,000	223,000	223,000
Chuckwalla	0	228,000	233,000	229,000	228,000	226,000
Desert Discovery Center SRMA	0	10	0	0	0	0
Dumont Dunes Open OHV	0	8,000	8,000	8,000	8,000	8,000
Eastern Sierra	0	50,000	46,000	42,000	48,000	48,000
El Mirage	0	17,000	17,000	17,000	17,000	17,000
El Paso / Rands Mountains	0	177,000	177,000	177,000	177,000	177,000
Hot Spring LTVA	0	600	3,000	500	500	500
Imperial Sand Dunes (existing SRMA)	164,000	164,000	164,000	164,000	164,000	164,000
Ivanpah Windsailing	0	9,000	9,000	9,000	9,000	9,000
Jawbone	0	127,000	156,000	140,000	156,000	156,000
Meccacopia	94,000	94,000	94,000	94,000	94,000	94,000
Middle Knob	0	25,000	25,000	25,000	4,000	25,000
Midland LTVA	0	4,000	4,000	4,000	4,000	4,000
Mule Mountains	0	17,000	17,000	17,000	17,000	15,000
National Trails	0	417,000	416,000	410,000	416,000	404,000
North Searles	0	51,000	45,000	42,000	45,000	45,000

Table R2.14-2
Existing and Proposed SRMAs by Alternative

SRMA Unit Name	No Action Alternative	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Ocotillo Wells East	0	58,000	21,000	21,000	21,000	21,000
Olancha Dunes	0	2,000	2,000	2,000	2,000	2,000
Pacific Crest National Scenic Trail	0	61,000	43,000	43,000	43,000	43,000
Panamint Valley	0	149,000	134,000	134,000	134,000	134,000
Pilot Knob LTVA	0	2,000	2,000	0	0	2,000
Plaster City Open OHV	0	27,000	27,000	27,000	27,000	27,000
Rasor Open OHV	0	24,000	24,000	24,000	24,000	24,000
Red Mountain	0	308,000	156,000	140,000	156,000	156,000
Sacramento Mountains	0	33,000	33,000	33,000	33,000	26,000
Sand to Snow	0	82,000	41,000	41,000	41,000	41,000
Stoddard/Johnson	0	277,000	259,000	249,000	259,000	259,000
Superior/Rainbow	0	115,000	115,000	115,000	115,000	115,000
Superstition Mountain Open OHV	0	13,000	13,000	13,000	13,000	13,000
Tamarisk LTVA	0	10	30	10	10	10
Tecopa Pass Historic Trails	0	22,000	23,000	23,000	23,000	22,000

Note: Acres represent BLM-administered lands only

Table R2.14-3
BLM Existing Multiple-Use Class Crosswalk With Proposed Designations and Allocations by Alternative (BLM Acres)

Multiple-Use Class/Proposed Land Designation or Allocation	No Action Alternative	Preferred Alternative Acres	Alternative 1 Acres	Alternative 2 Acres	Alternative 3 Acres	Alternative 4 Acres
Controlled	**2,772,000**	**3,351,000**	**3,258,000**	**3,258,000**	**3,258,000**	**3,258,000**
Variance Process Lands		0	0	0	0	200
Existing and Proposed ACECs[1]		1,500	8,000	4,000	6,000	6,000
Existing and Proposed SRMAs[2]		4,000	0	0	1,000	2,000
Wilderness		3,338,000	3,235,000	3,235,000	3,235,000	3,235,000
DFAs		0	90	20	0	0
Proposed NLCS Lands		8,000	10,000	8,000	6,000	5,000
Undesignated		1,000	0	700	10,000	10,000
Intensive	**554,000**	**432,000**	**552,000**	**552,000**	**552,000**	**552,000**
Variance Process Lands		14,000	600	0	0	26,000
Existing and Proposed ACECs[1]		21,000	50,000	10,000	43,000	42,000
Existing and Proposed SRMAs[2]		248,000	416,000	403,000	413,000	414,000
DFAs		41,000	100	23,000	20,000	1000
Proposed NLCS Lands		22,000	12,000	108,000	34,000	32,000
Undesignated		47,000	57,000	60	38,000	22,000
Limited	**3,919,000**	**4,220,000**	**3,583,000**	**3,583,000**	**3,583,000**	**3,583,000**
Variance Process Lands		21,000	8,000	0	0	210,000
Existing and Proposed ACECs[1]		804,000	1,968,000	68,000	949,000	1,115,000
Existing and Proposed SRMAs[2]		1,596,000	286,000	104,000	217,000	223,000

Table R2.14-3
BLM Existing Multiple-Use Class Crosswalk With Proposed Designations and Allocations by Alternative (BLM Acres)

Multiple-Use Class/Proposed Land Designation or Allocation	No Action Alternative	Preferred Alternative Acres	Alternative 1 Acres	Alternative 2 Acres	Alternative 3 Acres	Alternative 4 Acres
DFAs		140,000	32,000	212,000	37,000	88,000
Proposed NLCS Lands		2,452,000	1,091,000	3,181,000	2,219,000	1,819,000
Undesignated		278,000	195,000	900	158,000	124,000
Moderate	**2,284,000**	**2,342,000**	**2,123,000**	**2,123,000**	**2,123,000**	**2,123,000**
Variance Process Lands		3,000	9,000	0	0	241,000
Existing and Proposed ACECs[1]		492,000	1,321,000	20,000	630,000	634,000
Existing and Proposed SRMAs[2]		352,000	142,000	54,000	127,000	122,000
DFAs		127,000	13,000	228,000	34,000	106,000
Proposed NLCS Lands		1,318,000	386,000	1,793,000	1,134,000	774,000
Undesignated		198,000	246,000	16,000	194,000	242,000
Unclassified	**244,000**	**371,000**	**240,000**	**240,000**	**240,000**	**240,000**
Variance Process Lands		2,000	15,000	0	0	79,000
Existing and Proposed ACECs[1]		35,000	39,000	2,000	12,000	10,000
Existing and Proposed SRMAs[2]		39,000	45,000	25,000	46,000	46,000
DFAs		79,000	11,000	76,000	47,000	21,000
Proposed NLCS Lands		27,000	3,000	121,000	30,000	23,000
Undesignated		174,000	120,000	13,000	99,000	56,000

Data has been rounded; totals may not sum due to rounding

Appendix R2.15 Mineral Resources

This appendix presents data supporting the analysis in Volume IV, Chapter IV.15. This appendix is organized as follows:

- Section R2.15.1 – No Action Alternative: Tables R2.15-1 through R2.15-2
- Section R2.15.2 – Preferred Alternative: Tables R2.15-3 through R2.15-4
- Section R2.15.3 – Alternative 1: Tables R2.15-5 through R2.15-6
- Section R2.15.4 – Alternative 2: Tables R2.15-7 through R2.15-8
- Section R2.15.5 – Alternative 3: Tables R2.15-9 through R2.15-10
- Section R2.15.6 – Alternative 4: Tables R2.15-11 through R2.15-12

Note on Rounding of Data. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

R2.15.1 No Action Alternative

Table R2.15-1
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – No Action Alternative

Subarea	Mineral Resources in Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	214,000	2,000	0	0	60
High Priority Mineral & Energy Locations	1,000	0	0	0	0
Rare Earth Element Areas	2,000	40	0	0	0
Locatable Mineral Areas	48,000	1,000	0	0	200
Leasable Mineral Areas	39,000	0	0	0	0
Mineral Material Areas	5,000	200	0	0	200
Imperial and Borrego Valley					
Geothermal Resources	82,000	100	0	0	4,000
High Potential Mineral Areas	143,000	400	40	30	600
High Priority Mineral & Energy Locations	3,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	48,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	24,000	300	30	20	300
Kingston and Funeral Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	79,000	1,000	0	0	0
High Priority Mineral & Energy Locations	8,000	300	0	0	0
Rare Earth Element Areas	25,000	700	0	0	0
Locatable Mineral Areas	62,000	2,000	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	9,000	300	0	0	0

Table R2.15-1
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – No Action Alternative

Subarea	Mineral Resources in Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Mojave and Silurian Valley					
Geothermal Resources	7,000	0	0	0	0
High Potential Mineral Areas	77,000	0	0	0	100
High Priority Mineral & Energy Locations	50	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	9,000	0	0	0	20
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	200	0	0	0	0
Owens River Valley					
Geothermal Resources	10,000	0	0	0	0
High Potential Mineral Areas	400	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	2,000	0	0	0	0
Panamint Death Valley					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	41,000	0	0	0	0
High Priority Mineral & Energy Locations	47,000	0	0	0	0
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes					
Geothermal Resources	0	0	0	0	0

Table R2.15-1
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – No Action Alternative

Subarea	Mineral Resources in Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
High Potential Mineral Areas	55,000	70	10	0	30
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	12,000	20	0	0	0
Locatable Mineral Areas	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0
Piute Valley and Sacramento Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	34,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	60,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	38,000	0	0	0	0
Providence and Bullion Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	146,000	800	0	0	200
High Priority Mineral & Energy Locations	17,000	50	0	0	40
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	58,000	900	0	0	200
Leasable Mineral Areas	31,000	0	0	0	0
Mineral Material Areas	8,000	200	0	0	0
West Mojave and Eastern Slopes					
Geothermal Resources	5,000	0	0	0	0
High Potential Mineral Areas	30,000	100	60	0	100
High Priority Mineral & Energy Locations	0	0	0	0	0

Table R2.15-1
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – No Action Alternative

Subarea	Mineral Resources in Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	4,000	30	20	0	40
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	20	10	0	0
Total					
Geothermal Resources	104,000	100	0	0	4,000
High Potential Mineral Areas	816,000	5,000	100	30	1,00
High Priority Mineral & Energy Locations	76,000	300	0	0	40
Rare Earth Element Areas	40,000	700	0	0	0
Locatable Mineral Areas	301,000	4,000	20	0	400
Leasable Mineral Areas	70,000	0	0	0	0
Mineral Material Areas	92,000	1,000	40	20	500

Table R2.15-2
Estimated Acres of Mineral Resources in Existing BLM Land Designations – No Action Alternative

Area	Mineral Resources in Area (BLM acres)	Potential Mineral Resource Impacts by BLM Land Designation (acres)		
		SRMA	ACEC	Areas Managed for Recreation Emphasis
Cadiz Valley and Chocolate Mountains				
Geothermal Resources	0	0	0	0
High Potential Mineral Areas	214,000	0	28,000	0
High Priority Mineral & Energy Locations	1,000	0	0	0
Rare Earth Element Areas	2,000	0	2,000	0
Locatable Mineral Areas	48,000	0	23,000	0
Leasable Mineral Areas	39,000	0	0	0
Mineral Material Areas	5,000	0	0	0
Imperial and Borrego Valley				
Geothermal Resources	82,000	23,000	15,100	0
High Potential Mineral Areas	143,000	17,000	22,400	27,000
High Priority Mineral & Energy Locations	3,000	0	0	0
Rare Earth Element Areas	0	0	0	0
Locatable Mineral Areas	48,000	0	50	0
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	24,000	600	2,300	12,000
Kingston and Funeral Mountains				
Geothermal Resources	0	0	0	0
High Potential Mineral Areas	79,000	0	9,300	0
High Priority Mineral & Energy Locations	8,000	0	0	0
Rare Earth Element Areas	25,000	0	2,700	0
Locatable Mineral Areas	62,000	0	22,100	200
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	9,000	0	1,500	0

Table R2.15-2
Estimated Acres of Mineral Resources in Existing BLM Land Designations – No Action Alternative

Area	Mineral Resources in Area (BLM acres)	Potential Mineral Resource Impacts by BLM Land Designation (acres)		
		SRMA	ACEC	Areas Managed for Recreation Emphasis
Mojave and Silurian Valley				
Geothermal Resources	7,000	0	2,300	7,000
High Potential Mineral Areas	77,000	0	36,900	29,000
High Priority Mineral & Energy Locations	50	0	0	0
Rare Earth Element Areas	0	0	0	0
Locatable Mineral Areas	9,000	0	5,900	6,000
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	200	0	0	200
Owens River Valley				
Geothermal Resources	10,000	0	0	3,000
High Potential Mineral Areas	400	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0
Rare Earth Element Areas	0	0	0	0
Locatable Mineral Areas	3,000	1,300	0	0
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	2,000	0	300	900
Panamint Death Valley				
Geothermal Resources	0	0	0	0
High Potential Mineral Areas	41,000	0	800	7,000
High Priority Mineral & Energy Locations	47,000	0	0	0
Rare Earth Element Areas	2,000	0	100	0
Locatable Mineral Areas	6,000	0	200	700
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	3,000	0	30	0

Table R2.15-2
Estimated Acres of Mineral Resources in Existing BLM Land Designations – No Action Alternative

Area	Mineral Resources in Area (BLM acres)	Potential Mineral Resource Impacts by BLM Land Designation (acres)		
		SRMA	ACEC	Areas Managed for Recreation Emphasis
Pinto Lucerne Valley and Eastern Slopes				
Geothermal Resources	0	0	0	0
High Potential Mineral Areas	55,000	0	35,800	13,000
High Priority Mineral & Energy Locations	0	0	0	0
Rare Earth Element Areas	12,000	0	11,700	0
Locatable Mineral Areas	2,000	0	1,000	400
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	0	0	0	0
Piute Valley and Sacramento Mountains				
Geothermal Resources	0	0	0	0
High Potential Mineral Areas	34,000	0	26,400	0
High Priority Mineral & Energy Locations	0	0	0	0
Rare Earth Element Areas	0	0	0	0
Locatable Mineral Areas	60,000	0	28,600	0
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	38,000	0	13,900	11,000
Providence and Bullion Mountains				
Geothermal Resources	0	0	0	0
High Potential Mineral Areas	146,000	0	15,300	70
High Priority Mineral & Energy Locations	17,000	0	0	0
Rare Earth Element Areas	0	0	0	0
Locatable Mineral Areas	58,000	0	19,600	0
Leasable Mineral Areas	31,000	0	0	0
Mineral Material Areas	8,000	0	5,000	0

Table R2.15-2
Estimated Acres of Mineral Resources in Existing BLM Land Designations – No Action Alternative

Area	Mineral Resources in Area (BLM acres)	Potential Mineral Resource Impacts by BLM Land Designation (acres)		
		SRMA	ACEC	Areas Managed for Recreation Emphasis
West Mojave and Eastern Slopes				
Geothermal Resources	5,000	0	500	5,000
High Potential Mineral Areas	30,000	0	14,700	15,000
High Priority Mineral & Energy Locations	0	0	0	0
Rare Earth Element Areas	0	0	0	0
Locatable Mineral Areas	4,000	0	900	2,000
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	3,000	0	1,300	2,000
CDCA Area Outside the DRECP Plan Area Boundary				
Geothermal Resources	23,000	0	1,000	300
High Potential Mineral Areas	176,000	48,000	20,000	59,000
High Priority Mineral & Energy Locations	2,000	0	0	0
Rare Earth Element Areas	19,000	0	4,000	12,000
Locatable Mineral Areas	7,000	0	200	70
Leasable Mineral Areas	0	0	0	0
Mineral Material Areas	5,000	0	600	4,000
Total				
Geothermal Resources	127,000	23,000	19,000	15,000
High Potential Mineral Areas	992,000	65,000	218,000	152,000
High Priority Mineral & Energy Locations	78,000	0	0	0
Rare Earth Element Areas	59,000	0	20,000	12,000
Locatable Mineral Areas	308,000	1,000	101,000	9,000
Leasable Mineral Areas	70,000	0	0	0
Mineral Material Areas	97,000	600	26,000	30,000

R2.15.2 Preferred Alternative

Table R2.15-3
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – Preferred Alternative

Subarea	Mineral Resources by Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (BLM acres)			
		Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	214,000	100	20	0	50
High Priority Mineral & Energy Locations	1,000	0	0	0	0
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	48,000	400	60	0	100
Leasable Mineral Areas	39,000	0	0	0	0
Mineral Material Areas	5,000	400	60	0	100
Imperial and Borrego Valley					
Geothermal Resources	82,000	5,000	0	3,000	3,000
High Potential Mineral Areas	143,000	200	0	100	500
High Priority Mineral & Energy Locations	3,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	48,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	24,000	300	0	200	300
Kingston and Funeral Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	79,000	0	0	0	0
High Priority Mineral & Energy Locations	8,000	0	0	0	0
Rare Earth Element Areas	25,000	0	0	0	0

Table R2.15-3
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – Preferred Alternative

Subarea	Mineral Resources by Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (BLM acres)			
		Solar	Wind	GT	Transmission
Locatable Mineral Areas	62,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	9,000	0	0	0	0
Mojave and Silurian Valley					
Geothermal Resources	7,000	0	0	0	0
High Potential Mineral Areas	77,000	0	0	0	90
High Priority Mineral & Energy Locations	50	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	9,000	0	0	0	10
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	200	0	0	0	0
Owens River Valley					
Geothermal Resources	10,000	400	0	700	30
High Potential Mineral Areas	400	30	0	50	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	2,000	20	0	30	0
Panamint Death Valley					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	41,000	1,000	0	0	0
High Priority Mineral & Energy Locations	47,000	2,000	0	0	0

Table R2.15-3
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – Preferred Alternative

Subarea	Mineral Resources by Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (BLM acres)			
		Solar	Wind	GT	Transmission
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	55,000	100	0	0	100
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	12,000	0	0	0	0
Locatable Mineral Areas	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0
Piute Valley and Sacramento Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	34,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	60,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	38,000	0	0	0	0
Providence and Bullion Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	146,000	0	0	0	50

Table R2.15-3
Potential Acres of Mineral Resource Impacts by Technology Type by Ecoregion Subarea – Preferred Alternative

Subarea	Mineral Resources by Subarea (BLM acres)	Potential Mineral Resource Impacts by Technology Type (BLM acres)			
		Solar	Wind	GT	Transmission
High Priority Mineral & Energy Locations	17,000	0	0	0	30
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	58,000	0	0	0	20
Leasable Mineral Areas	31,000	0	0	0	0
Mineral Material Areas	8,000	0	0	0	0
West Mojave and Eastern Slopes					
Geothermal Resources	5,000	0	0	0	0
High Potential Mineral Areas	30,000	300	10	0	60
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	4,000	100	10	0	10
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	50	0	0	0
Total					
Geothermal Resources	104,000	5,000	10	4,000	3,000
High Potential Mineral Areas	816,000	2,000	50	200	800
High Priority Mineral & Energy Locations	76,000	2,000	0	0	30
Rare Earth Element Areas	40,000	0	0	0	0
Locatable Mineral Areas	301,000	500	70	0	100
Leasable Mineral Areas	70,000	0	0	0	0
Mineral Material Areas	92,000	800	70	200	400

Table R2.15-4
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Preferred Alternative

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	214,000	0	43,000	73,000	0	20,000	0	0
High Priority Mineral & Energy Locations	1,000	0	0	0	0	0	0	0
Rare Earth Element Areas	2,000	0	900	1,000	0	0	0	0
Locatable Mineral Areas	48,000	1,000	33,000	4,000	0	1,000	0	0
Leasable Mineral Areas	39,000	0	5,000	32,000	0	10,000	0	0
Mineral Material Areas	5,000	0	0	500	0	0	0	0
Imperial and Borrego Valley								
Geothermal Resources	82,000	17,000	20,000	9,000	0	0	0	1
High Potential Mineral Areas	143,000	15,000	79,000	7,000	0	0	3,000	>1
High Priority Mineral & Energy Locations	3,000	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	48,000	0	42,000	800	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	24,000	800	6,000	2,000	0	0	500	1
Kingston and Funeral Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	79,000	0	41,000	5,000	0	4,000	1,000	3

Table R2.15-4
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Preferred Alternative

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Priority Mineral & Energy Locations	8,000	0	0	0	0	0	0	0
Rare Earth Element Areas	25,000	0	200	13,000	0	0	0	0
Locatable Mineral Areas	62,000	1,000	45,000	5,000	0	400	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	9,000	0	5,000	0	0	0	0	0
Mojave and Silurian Valley								
Geothermal Resources	7,000	5,000	700	2,000	0	0	0	0
High Potential Mineral Areas	77,000	9,000	8,000	51,000	0	1,000	1,000	1
High Priority Mineral & Energy Locations	50	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	9,000	3,000	30	6,000	0	200	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	200	200	0	60	0	0	0	0
Owens River Valley								
Geothermal Resources	10,000	200	100	500	0	0	0	0
High Potential Mineral Areas	400	0	0	0	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	3,000	1,000	0	0	0	0	0	0

Table R2.15-4
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Preferred Alternative

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	2,000	0	300	20	0	0	0	0
Panamint Death Valley								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	41,000	3,000	10,000	6,000	0	0	0	0
High Priority Mineral & Energy Locations	47,000	6,000	0	11,000	0	0	0	0
Rare Earth Element Areas	2,000	0	1,000	70	0	0	0	0
Locatable Mineral Areas	6,000	900	1,000	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	1,000	700	600	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	55,000	6,000	33,000	11,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	12,000	0	6,000	5,000	0	0	0	0
Locatable Mineral Areas	2,000	0	600	600	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0	0	0	0
Piute Valley and Sacramento Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0

Table R2.15-4
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Preferred Alternative

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Potential Mineral Areas	34,000	0	10,000	18,000	0	700	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	60,000	7,000	43,000	3,000	0	11,000	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	38,000	17,000	17,000	0	0	2,000	0	0
Providence and Bullion Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	146,000	0	40,000	11,000	0	6,000	0	0
High Priority Mineral & Energy Locations	17,000	0	1,000	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	58,000	0	41,000	13,000	0	6,000	0	0
Leasable Mineral Areas	31,000	0	700	0	0	200	0	0
Mineral Material Areas	8,000	0	8,000	0	0	0	0	0
West Mojave and Eastern Slopes								
Geothermal Resources	5,000	4,000	0	500	0	0	0	0
High Potential Mineral Areas	30,000	6,000	4,000	15,000	0	100	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0

Table R2.15-4
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Preferred Alternative

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Locatable Mineral Areas	4,000	900	100	2,000	0	40	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	800	100	2,000	0	0	0	0
CDCA Area Outside the DRECP Plan Area Boundary								
Geothermal Resources	23,000	0	19,000	3,000	0	0	0	0
High Potential Mineral Areas	176,000	38,000	37,000	27,000	0	50	0	0
High Priority Mineral & Energy Locations	2,000	0	0	0	0	0	0	0
Rare Earth Element Areas	19,000	0	2,000	3,000	0	0	0	0
Locatable Mineral Areas	7,000	100	1,000	4,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	5,000	0	800	2,000	0	0	0	0
Total								
Geothermal Resources	127,000	27,000	40,000	15,000	0	0	0	1
High Potential Mineral Areas	992,000	77,000	306,000	223,000	0	33,000	5,000	4
High Priority Mineral & Energy Locations	78,000	6,000	1,000	11,000	0	0	0	0
Rare Earth Element Areas	59,000	0	11,000	23,000	0	0	0	0
Locatable Mineral Areas	308,000	15,000	207,000	41,000	0	19,000	0	0
Leasable Mineral Areas	70,000	0	6,000	32,000	0	10,000	0	0
Mineral Material Areas	97,000	21,000	39,000	7,000	0	2,000	500	1

[1]Excludes NLCS, and ACECs
[2]Excludes NLCS

R2.15.3 Alternative 1

Table R2.15-5
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 1

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	214,000	400	10	0	60
High Priority Mineral & Energy Locations	1,000	0	0	0	0
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	48,000	0	0	0	60
Leasable Mineral Areas	39,000	0	0	0	0
Mineral Material Areas	5,000	0	0	0	60
Imperial Borrego Valley					
Geothermal Resources	82,000	2,000	0	3,000	4,000
High Potential Mineral Areas	143,000	0	0	10	600
High Priority Mineral & Energy Locations	3,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	48,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	24,000	30	0	40	300
Kingston and Funeral Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	79,000	0	0	0	0
High Priority Mineral & Energy Locations	8,000	0	0	0	0
Rare Earth Element Areas	25,000	0	0	0	0

Table R2.15-5
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 1

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Locatable Mineral Areas	62,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	9,000	0	0	0	0
Mojave and Silurian Valley					
Geothermal Resources	7,000	0	0	0	0
High Potential Mineral Areas	77,000	0	0	0	100
High Priority Mineral & Energy Locations	50	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	9,000	0	0	0	10
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	200	0	0	0	0
Owens River Valley					
Geothermal Resources	10,000	3,000	0	0	100
High Potential Mineral Areas	400	200	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	2,000	100	0	0	20
Panamint Death Valley					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	41,000	0	0	0	0
High Priority Mineral & Energy Locations	47,000	0	0	0	0

Table R2.15-5
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 1

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	55,000	10	0	0	100
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	12,000	0	0	0	0
Locatable Mineral Areas	2,000	30	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0
Piute Valley and Sacramento Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	34,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	60,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	38,000	0	0	0	0
Providence and Bullion Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	146,000	0	0	0	90

Table R2.15-5
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 1

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
High Priority Mineral & Energy Locations	17,000	0	0	0	50
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	58,000	0	0	0	30
Leasable Mineral Areas	31,000	0	0	0	0
Mineral Material Areas	8,000	0	0	0	0
West Mojave and Eastern Slopes					
Geothermal Resources	5,000	0	0	0	0
High Potential Mineral Areas	30,000	400	0	0	2,000
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	4,000	200	0	0	500
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	20	0	0	20
Total					
Geothermal Resources	104,000	5,000	0	3,000	5,000
High Potential Mineral Areas	816,000	1,000	10	0	1,000
High Priority Mineral & Energy Locations	76,000	0	0	0	50
Rare Earth Element Areas	40,000	0	0	0	0
Locatable Mineral Areas	301,000	200	0	0	109
Leasable Mineral Areas	70,000	0	0	0	0
Mineral Material Areas	92,000	200	0	40	406

Table R2.15-6
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 1

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	214,000	0	19,000	40,000	57,000	0	0	0
High Priority Mineral & Energy Locations	1,000	0	0	0	0	0	0	0
Rare Earth Element Areas	2,000	0	900	1,000	0	0	0	0
Locatable Mineral Areas	48,000	1,000	22,000	9,000	5,000	0	0	0
Leasable Mineral Areas	39,000	0	0	0	38,000	0	0	0
Mineral Material Areas	5,000	0	0	50	1,000	0	0	0
Imperial and Borrego Valley								
Geothermal Resources	82,000	15,000	0	18,000	0	0	0	1
High Potential Mineral Areas	143,000	4,000	3,000	25,000	30,000	0	800	1
High Priority Mineral & Energy Locations	3,000	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	48,000	0	9,000	50	30,000	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	24,000	400	300	8,000	0	0	40	1
Kingston and Funeral Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	79,000	200	23,000	23,000	0	0	1,000	3

Table R2.15-6
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 1

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Priority Mineral & Energy Locations	8,000	0	0	0	0	0	0	0
Rare Earth Element Areas	25,000	0	200	13,000	0	0	0	0
Locatable Mineral Areas	62,000	1,000	11,000	39,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	9,000	0	600	4,000	0	0	0	0
Mojave and Silurian Valley								
Geothermal Resources	7,000	5,000	0	2,000	0	0	0	0
High Potential Mineral Areas	77,000	8,000	5,000	38,000	0	0	400	10
High Priority Mineral & Energy Locations	50	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	9,000	3,000	0	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	200	200	0	60	0	0	0	0
Owens River Valley								
Geothermal Resources	10,000	300	20	600	0	0	0	0
High Potential Mineral Areas	400	0	0	0	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	3,000	1,000	0	0	0	0	0	0

Table R2.15-6
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 1

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	2,000	0	60	300	0	0	0	0
Panamint Death Valley								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	41,000	4,000	9,000	6,000	70	0	0	0
High Priority Mineral & Energy Locations	47,000	7,000	0	11,000	0	0	0	0
Rare Earth Element Areas	2,000	20	300	80	700	0	0	0
Locatable Mineral Areas	6,000	900	1,000	600	3,000	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	1,000	200	600	300	0	0	0
Pinto Lucerne Valley and Eastern Slopes								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	55,000	16,000	4,000	40,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	12,000	0	0	12,000	0	0	0	0
Locatable Mineral Areas	2,000	800	0	1,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0	0	0	0
Piute Valley and Sacramento Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0

Table R2.15-6
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 1

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Potential Mineral Areas	34,000	0	9,000	18,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	60,000	7,000	31,000	10,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	38,000	17,000	12,000	2,000	0	0	0	0
Providence and Bullion Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	146,000	2,000	26,000	22,000	25,000	0	0	0
High Priority Mineral & Energy Locations	17,000	1,000	0	0	1,000	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	58,000	300	28,000	24,000	0	0	0	0
Leasable Mineral Areas	31,000	700	0	0	11,000	0	0	0
Mineral Material Areas	8,000	0	400	8,000	0	0	0	0
West Mojave and Eastern Slopes								
Geothermal Resources	5,000	4,000	0	500	0	0	0	0
High Potential Mineral Areas	30,000	7,000	300	20,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0

Table R2.15-6
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 1

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Locatable Mineral Areas	4,000	900	0	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	800	50	2,000	0	0	0	0
CDCA Area Outside the DRECP Plan Area Boundary								
Geothermal Resources	23,000	0	14,000	8,000	0	0	0	0
High Potential Mineral Areas	176,000	38,000	23,000	16,000	500	0	0	0
High Priority Mineral & Energy Locations	2,000	0	0	0	0	0	0	0
Rare Earth Element Areas	19,000	90	2,000	3,000	6	0	0	0
Locatable Mineral Areas	7,000	600	0	1,000	4,000	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	5,000	20	20	2,000	0	0	0	0
Total								
Geothermal Resources	127,000	24,000	14,000	52,000	0	0	0	1
High Potential Mineral Areas	992,000	79,000	121,000	277,000	112,000	0	3,000	5
High Priority Mineral & Energy Locations	78,000	8,000	0	11,000	1,000	0	0	0
Rare Earth Element Areas	59,000	100	3,000	30,000	700	0	0	0
Locatable Mineral Areas	308,000	18,000	102,000	93,000	42,000	0	0	0
Leasable Mineral Areas	70,000	700	0	0	48,000	0	0	0
Mineral Material Areas	97,000	20,000	14,000	27,000	1,000	0	50	1

[1]Excludes NLCS, and ACECs
[2]Excludes NLCS

R2.15.4 Alternative 2

Table R2.15-7
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 2

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	214,000	200	100	0	100
High Priority Mineral & Energy Locations	1,000	0	0	0	0
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	48,000	200	100	0	100
Leasable Mineral Areas	39,000	0	0	0	0
Mineral Material Areas	5,000	200	100	0	100
Imperial Borrego Valley					
Geothermal Resources	82,000	2,000	0	3,000	4,000
High Potential Mineral Areas	143,000	1,000	600	100	600
High Priority Mineral & Energy Locations	3,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	48,000	1,000	700	0	200
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	24,000	100	0	200	300
Kingston and Funeral Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	79,000	30	0	0	30
High Priority Mineral & Energy Locations	8,000	0	0	0	30
Rare Earth Element Areas	25,000	0	0	0	90

Table R2.15-7
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 2

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Locatable Mineral Areas	62,000	0	0	0	160
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	9,000	0	0	0	0
Mojave and Silurian Valley					
Geothermal Resources	7,000	0	0	0	0
High Potential Mineral Areas	77,000	0	0	0	100
High Priority Mineral & Energy Locations	50	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	9,000	0	0	0	10
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	200	0	0	0	0
Owens River Valley					
Geothermal Resources	10,000	300	0	600	50
High Potential Mineral Areas	400	20	0	50	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	2,000	1,000	200	0	10
Panamint Death Valley					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	41,000	400	100	0	0
High Priority Mineral & Energy Locations	47,000	500	100	0	0

Table R2.15-7
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 2

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	55,000	20	0	0	200
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	12,000	0	0	0	0
Locatable Mineral Areas	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0
Piute Valley and Sacramento Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	34,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	60,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	38,000	0	0	0	0
Providence and Bullion Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	146,000	200	100	0	140

Table R2.15-7
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 2

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
High Priority Mineral & Energy Locations	17,000	200	100	0	40
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	58,000	500	300	0	200
Leasable Mineral Areas	31,000	0	0	0	0
Mineral Material Areas	8,000	0	0	0	0
West Mojave and Eastern Slopes					
Geothermal Resources	5,000	0	0	0	0
High Potential Mineral Areas	30,000	500	0	0	30
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	4,000	100	0	0	10
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	70	0	0	0
Total					
Geothermal Resources	104,000	2,000	0	3,000	4,000
High Potential Mineral Areas	816,000	3,000	900	100	1,000
High Priority Mineral & Energy Locations	76,000	500	100	0	100
Rare Earth Element Areas	40,000	0	0	0	100
Locatable Mineral Areas	301,000	2,000	1,000	0	600
Leasable Mineral Areas	70,000	0	0	0	0
Mineral Material Areas	92,000	500	0	200	400

Table R2.15-8
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 2

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	214,000	0	105,000	17,000	200	1,000	0	0
High Priority Mineral & Energy Locations	1,000	0	1,000	0	0	0	0	0
Rare Earth Element Areas	2,000	0	900	1,000	0	0	0	0
Locatable Mineral Areas	48,000	30	38,000	200	0	3,000	0	0
Leasable Mineral Areas	39,000	0	39,000	100	50	0	0	0
Mineral Material Areas	5,000	0	700	0	0	0	0	0
Imperial and Borrego Valley								
Geothermal Resources	82,000	13,000	10,000	15,000	0	0	0	1
High Potential Mineral Areas	143,000	4,000	63,000	8,000	0	0	25,000	1
High Priority Mineral & Energy Locations	3,000	0	100	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	48,000	0	23,000	400	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	24,000	0	15,000	1,000	0	0	7,000	1
Kingston and Funeral Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	79,000	200	51,000	2,000	0	3,000	29,000	3
High Priority Mineral & Energy Locations	8,000	0	8,000	0	0	0	0	0

Table R2.15-8
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 2

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Rare Earth Element Areas	25,000	0	21,000	0	0	0	0	0
Locatable Mineral Areas	62,000	1,000	56,000	2,000	0	0	15,000	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	9,000	0	9,000	0	0	0	700	0
Mojave and Silurian Valley								
Geothermal Resources	7,000	5,000	2,000	40	0	0	0	0
High Potential Mineral Areas	77,000	4,000	52,000	2,000	0	1,000	44,000	1
High Priority Mineral & Energy Locations	50	0	50	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	9,000	200	8,000	1,000	0	0	2,000	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	200	100	100	0	0	0	0	0
Owens River Valley								
Geothermal Resources	10,000	2,000	700	0	0	0	400	0
High Potential Mineral Areas	400	0	0	0	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	3,000	1,000	0	0	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	2,000	200	300	20	0	600	300	0
Panamint Death Valley								

Table R2.15-8
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 2

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	41,000	2,000	15,000	2,000	0	7,000	60	0
High Priority Mineral & Energy Locations	47,000	8,000	0	9,000	0	4,000	0	0
Rare Earth Element Areas	2,000	20	1,000	70	0	0	0	0
Locatable Mineral Areas	6,000	900	4,000	100	0	2,000	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	1,000	700	600	0	800	0	0
Pinto Lucerne Valley and Eastern Slopes								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	55,000	15,000	42,000	2,000	0	0	8,000	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	12,000	0	6,000	5,000	0	0	70	0
Locatable Mineral Areas	2,000	900	1,000	0	0	0	700	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0	0	0	0
Piute Valley and Sacramento Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	34,000	0	10,000	17,000	0	0	15,000	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0

Table R2.15-8
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 2

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Locatable Mineral Areas	60,000	300	53,000	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	38,000	60	38,000	0	0	0	700	0
Providence and Bullion Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	146,000	100	89,000	5,000	0	2,000	700	0
High Priority Mineral & Energy Locations	17,000	0	17,000	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	58,000	100	41,000	30	0	0	800	0
Leasable Mineral Areas	31,000	0	31,000	10	0	0	0	0
Mineral Material Areas	8,000	0	8,000	10	0	0	0	0
West Mojave and Eastern Slopes								
Geothermal Resources	5,000	4,000	500	10	0	0	0	0
High Potential Mineral Areas	30,000	3,000	20,000	4,000	0	0	3,000	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	4,000	600	2,000	100	0	0	1,000	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	200	2,000	200	0	0	500	0
CDCA Area Outside the DRECP Plan Area Boundary								
Geothermal Resources	23,000	0	21,000	1,000	0	0	0	0

Table R2.15-8
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 2

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Potential Mineral Areas	176,000	32,000	64,000	10,000	0	0	21,000	0
High Priority Mineral & Energy Locations	2,000	0	0	0	0	0	0	0
Rare Earth Element Areas	19,000	0	2,000	3,000	0	0	0	0
Locatable Mineral Areas	7,000	100	5,000	0	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	5,000	0	2,000	1,000	0	0	1,000	0
Total								
Geothermal Resources	127,000	24,000	34,000	16,000	0	0	400	1
High Potential Mineral Areas	992,000	60,000	511,000	68,000	200	14,000	148,000	5
High Priority Mineral & Energy Locations	78,000	8,000	26,000	9,000	0	4,000	0	0
Rare Earth Element Areas	59,000	0	31,000	10,000	0	0	70	0
Locatable Mineral Areas	308,000	5,000	231,000	6,000	0	4,000	20,000	0
Leasable Mineral Areas	70,000	0	70,000	100	50	0	0	0
Mineral Material Areas	97,000	2,000	77,000	3,000	0	1,000	10,000	1

[1]Excludes NLCS, and ACECs
[2]Excludes NLCS

R2.15.5 Alternative 3

Table R2.15-9
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 3

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	214,000	300	0	0	60
High Priority Mineral & Energy Locations	1,000	0	0	0	0
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	48,000	300	0	0	60
Leasable Mineral Areas	39,000	0	0	0	0
Mineral Material Areas	5,000	400	20	0	60
Imperial Borrego Valley					
Geothermal Resources	82,000	6,000	0	3,000	4,000
High Potential Mineral Areas	143,000	200	0	100	500
High Priority Mineral & Energy Locations	3,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	48,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	24,000	400	0	200	300
Kingston and Funeral Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	79,000	0	0	0	0
High Priority Mineral & Energy Locations	8,000	0	0	0	0
Rare Earth Element Areas	25,000	0	0	0	0

Table R2.15-9
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 3

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Locatable Mineral Areas	62,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	9,000	0	0	0	0
Mojave and Silurian Valley					
Geothermal Resources	7,000	0	0	0	0
High Potential Mineral Areas	77,000	0	0	0	80
High Priority Mineral & Energy Locations	50	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	9,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	200	0	0	0	0
Owens River Valley					
Geothermal Resources	10,000	700	0	700	50
High Potential Mineral Areas	400	60	0	60	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	2,000	30	0	30	0
Panamint Death Valley					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	42,000	1,000	0	0	0
High Priority Mineral & Energy Locations	48,000	1,000	0	0	0

Table R2.15-9
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 3

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	55,000	40	0	0	100
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	12,000	0	0	0	0
Locatable Mineral Areas	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0
Piute Valley and Sacramento Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	34,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	60,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	38,000	0	0	0	0
Providence and Bullion Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	146,000	0	0	0	100

Table R2.15-9
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 3

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
High Priority Mineral & Energy Locations	17,000	0	0	0	60
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	58,000	0	0	0	30
Leasable Mineral Areas	31,000	0	0	0	0
Mineral Material Areas	8,000	0	0	0	0
West Mojave and Eastern Slopes					
Geothermal Resources	5,000	0	0	0	0
High Potential Mineral Areas	30,000	200	0	0	100
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	4,000	200	0	0	20
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Total					
Geothermal Resources	104,000	6,000	0	4,000	4,000
High Potential Mineral Areas	816,000	2,000	20	200	1,000
High Priority Mineral & Energy Locations	76,000	1,000	0	0	60
Rare Earth Element Areas	40,000	0	0	0	0
Locatable Mineral Areas	301,000	500	20	0	100
Leasable Mineral Areas	70,000	0	0	0	0
Mineral Material Areas	92,000	800	20	300	400

Table R2.15-10
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 3

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	214,000	0	34,000	82,000	0	2,000	0	0
High Priority Mineral & Energy Locations	1,000	0	0	0	0	0	0	0
Rare Earth Element Areas	2,000	0	850	1,000	0	0	0	0
Locatable Mineral Areas	48,000	1,000	28,000	9,000	0	3,000	0	0
Leasable Mineral Areas	39,000	0	5,000	33,000	0	0	0	0
Mineral Material Areas	5,000	0	0	1,000	0	0	0	0
Imperial and Borrego Valley								
Geothermal Resources	82,000	13,000	26,000	10,000	0	0	0	1
High Potential Mineral Areas	143,000	4,000	83,000	9,000	0	0	25,000	1
High Priority Mineral & Energy Locations	3,000	0	20	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	48,000	0	41,000	800	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	24,000	400	4,000	6,000	0	0	7,000	1
Kingston and Funeral Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	79,000	200	41,000	5,000	0	4,000	29,000	3
High Priority Mineral & Energy Locations	8,000	0	0	0	0	0	0	0

Table R2.15-10
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 3

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Rare Earth Element Areas	25,000	0	200	13,000	0	0	0	0
Locatable Mineral Areas	62,000	1,000	45,000	5,000	0	0	15,000	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	9,000	0	5,000	0	0	0	700	0
Mojave and Silurian Valley								
Geothermal Resources	7,000	5,000	0	2,000	0	0	0	0
High Potential Mineral Areas	77,000	8,000	6,000	37,000	0	1,000	44,000	1
High Priority Mineral & Energy Locations	50	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	9,000	3,000	30	6,000	0	0	2,000	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	200	200	0	60	0	0	0	0
Owens River Valley								
Geothermal Resources	10,000	2,000	100	500	0	0	400	0
High Potential Mineral Areas	400	0	0	0	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	3,000	1,000	0	0	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	2,000	200	300	20	0	600	300	0
Panamint Death Valley								

Table R2.15-10
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 3

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	41,000	3,000	10,000	6,000	0	7,000	60	0
High Priority Mineral & Energy Locations	47,000	7,000	0	11,000	0	4,000	0	0
Rare Earth Element Areas	2,000	20	1,000	70	0	0	0	0
Locatable Mineral Areas	6,000	900	1,000	3,000	0	2,000	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	1,000	700	600	0	800	0	0
Pinto Lucerne Valley and Eastern Slopes								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	55,000	16,000	30,000	13,000	0	0	8,000	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	12,000	0	6,000	5,000	0	0	70	0
Locatable Mineral Areas	2,000	800	600	400	0	0	700	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0	0	0	0
Piute Valley and Sacramento Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	34,000	0	10,000	17,000	0	0	15,000	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0

Table R2.15-10
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 3

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Locatable Mineral Areas	60,000	7,000	36,000	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	38,000	17,000	14,000	0	0	0	700	0
Providence and Bullion Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	146,000	0	40,000	35,000	0	2,000	700	0
High Priority Mineral & Energy Locations	17,000	0	1,000	1,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	58,000	0	38,000	13,000	0	0	800	0
Leasable Mineral Areas	31,000	0	700	11,000	0	0	0	0
Mineral Material Areas	8,000	0	6,000	3,000	0	0	0	0
West Mojave and Eastern Slopes								
Geothermal Resources	5,000	4,000	0	500	0	0	0	0
High Potential Mineral Areas	30,000	7,000	4,000	17,000	0	0	3,000	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	4,000	900	50	2,000	0	0	1,000	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	800	100	2,000	0	0	500	0
CDCA Area Outside the DRECP Plan Area Boundary								
Geothermal Resources	23,000	0	15,000	7,000	0	0	0	0

Table R2.15-10
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 3

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Potential Mineral Areas	176,000	37,000	32,000	27,000	0	0	500	0
High Priority Mineral & Energy Locations	2,000	0	0	0	0	0	0	0
Rare Earth Element Areas	19,000	100	2,000	3,000	0	0	0	0
Locatable Mineral Areas	7,000	100	60	5,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0		0
Mineral Material Areas	5,000	0	200	3,000	0	0	100	0
Total								
Geothermal Resources	127,000	24,000	41,000	20,000	0	0	400	1
High Potential Mineral Areas	992,000	75,000	291,000	248,000	0	16,000	127,000	5
High Priority Mineral & Energy Locations	78,000	7,000	1,000	12,000	0	4,000	0	0
Rare Earth Element Areas	59,000	100	10,000	23,000	0	0	70	0
Locatable Mineral Areas	308,000	16,000	191,000	50,000	0	4,000	20,000	0
Leasable Mineral Areas	70,000	0	5,000	44,000	0	0	0	0
Mineral Material Areas	97,000	20,000	30,000	15,000	0	1,000	9,000	1

[1]Excludes NLCS, and ACECs
[2]Excludes NLCS

R2.15.5 Alternative 4

Table R2.15-11
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 4

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Cadiz Valley and Chocolate Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	214,000	500	40	0	100
High Priority Mineral & Energy Locations	1,000	0	0	0	0
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	48,000	600	50	0	200
Leasable Mineral Areas	39,000	0	0	0	0
Mineral Material Areas	5,000	600	50	0	200
Imperial Borrego Valley					
Geothermal Resources	82,000	1,000	0	3,000	2,000
High Potential Mineral Areas	143,000	0	0	0	200
High Priority Mineral & Energy Locations	3,000	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	48,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	24,000	20	0	40	100
Kingston and Funeral Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	79,000	0	0	0	0
High Priority Mineral & Energy Locations	8,000	0	0	0	0
Rare Earth Element Areas	25,000	0	0	0	0

Table R2.15-11
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 4

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Locatable Mineral Areas	62,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	9,000	0	0	0	0
Mojave and Silurian Valley					
Geothermal Resources	7,000	0	0	0	0
High Potential Mineral Areas	77,000	0	0	0	50
High Priority Mineral & Energy Locations	50	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	9,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	200	0	0	0	0
Owens River Valley					
Geothermal Resources	10,000	600	0	800	60
High Potential Mineral Areas	400	50	0	60	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	3,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	2,000	30	0	40	10
Panamint Death Valley					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	42,000	0	0	0	0
High Priority Mineral & Energy Locations	48,000	200	0	0	0

Table R2.15-11
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 4

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
Rare Earth Element Areas	2,000	0	0	0	0
Locatable Mineral Areas	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	55,000	20	20	0	50
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	12,000	0	0	0	0
Locatable Mineral Areas	2,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0
Piute Valley and Sacramento Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	34,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	60,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	38,000	0	0	0	0
Providence and Bullion Mountains					
Geothermal Resources	0	0	0	0	0
High Potential Mineral Areas	146,000	0	0	0	50

Table R2.15-11
Potential Acres of Mineral Resource Impacts by Technology Type and Subarea – Alternative 4

Subarea Mineral Resource Types	Mineral Resources by Subarea (acres)	Potential Mineral Resource Impacts by Technology Type (acres)			
		Solar	Wind	GT	Transmission
High Priority Mineral & Energy Locations	17,000	0	0	0	30
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	58,000	0	0	0	10
Leasable Mineral Areas	31,000	0	0	0	0
Mineral Material Areas	8,000	0	0	0	0
West Mojave and Eastern Slopes					
Geothermal Resources	5,000	0	0	0	0
High Potential Mineral Areas	30,000	100	0	0	50
High Priority Mineral & Energy Locations	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0
Locatable Mineral Areas	4,000	60	0	0	0
Leasable Mineral Areas	0	0	0	0	0
Mineral Material Areas	3,000	40	0	0	0
Total					
Geothermal Resources	104,000	2,000	0	4,000	2,000
High Potential Mineral Areas	816,000	700	70	70	600
High Priority Mineral & Energy Locations	76,000	200	0	0	30
Rare Earth Element Areas	40,000	0	0	0	0
Locatable Mineral Areas	301,000	600	50	0	200
Leasable Mineral Areas	70,000	0	0	0	0
Mineral Material Areas	92,000	600	50	70	300

Table R2.15-12
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 4

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	214,000	0	27,000	29,000	46,000	600	0	0
High Priority Mineral & Energy Locations	1,000	0	0	0	0	0	0	0
Rare Earth Element Areas	2,000	0	900	1,000	0	0	0	0
Locatable Mineral Areas	48,000	500	26,000	1,000	0	0	0	0
Leasable Mineral Areas	39,000	0	5,000	0	33,000	0	0	0
Mineral Material Areas	5,000	0	0	0	0	0	0	0
Imperial and Borrego Valley								
Geothermal Resources	82,000	13,000	3,000	14,000	0	0	0	1
High Potential Mineral Areas	143,000	4,000	28,000	11,000	0	0	3,000	1
High Priority Mineral & Energy Locations	3,000	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	48,000	0	14,000	0	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	24,000	400	2,000	6,000	0	0	500	1
Kingston and Funeral Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	79,000	200	32,000	7,000	0	4,000	5,000	3

Table R2.15-12
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 4

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Priority Mineral & Energy Locations	8,000	0	0	0	0	0	0	0
Rare Earth Element Areas	25,000	0	200	13,000	0	0	0	0
Locatable Mineral Areas	62,000	1,000	12,000	19,000	0	100	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	9,000	0	600	900	0	0	0	0
Mojave and Silurian Valley								
Geothermal Resources	7,000	5,000	700	2,000	0	0	0	0
High Potential Mineral Areas	77,000	8,000	10,000	32,000	0	200	3,000	1
High Priority Mineral & Energy Locations	50	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	9,000	3,000	0	6,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	200	200	0	60	0	0	0	0
Owens River Valley								
Geothermal Resources	10,000	2,000	80	500	0	0	0	0
High Potential Mineral Areas	400	0	0	0	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	3,000	1,000	0	0	0	0	0	0

Table R2.15-12
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 4

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	2,000	200	100	200	0	0	0	0
Panamint Death Valley								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	41,000	3,000	10,000	6,000	0	7,000	0	0
High Priority Mineral & Energy Locations	47,000	7,000	0	11,000	0	4,000	0	0
Rare Earth Element Areas	2,000	20	1,000	70	0	0	0	0
Locatable Mineral Areas	6,000	900	1,000	3,000	0	2,000	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	1,000	700	600	0	1,000	0	0
Pinto Lucerne Valley and Eastern Slopes								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	55,000	16,000	34,000	9,000	0	0	100	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	12,000	0	6,000	5,000	0	0	0	0
Locatable Mineral Areas	2,000	800	600	400	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	0	0	0	0	0	0	0	0
Piute Valley and Sacramento Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0

Table R2.15-12
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 4

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
High Potential Mineral Areas	34,000	0	10,000	17,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	60,000	4,000	36,000	4,000	0	0	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	38,000	13,000	12,000	2,000	0	0	0	0
Providence and Bullion Mountains								
Geothermal Resources	0	0	0	0	0	0	0	0
High Potential Mineral Areas	146,000	600	31,000	11,000	25,000	5,000	0	0
High Priority Mineral & Energy Locations	17,000	100	100	0	1,000	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0
Locatable Mineral Areas	58,000	800	30,000	7,000	0	0	0	0
Leasable Mineral Areas	31,000	0	0	0	11,000	0	0	0
Mineral Material Areas	8,000	0	5,000	3,000	0	0	0	0
West Mojave and Eastern Slopes								
Geothermal Resources	5,000	4,000	0	500	0	0	0	0
High Potential Mineral Areas	30,000	7,000	1,000	19,000	0	0	0	0
High Priority Mineral & Energy Locations	0	0	0	0	0	0	0	0
Rare Earth Element Areas	0	0	0	0	0	0	0	0

Table R2.15-12
Estimated Acres of Mineral Resources in Existing and Proposed BLM Land Designations – Alternative 4

Area	Mineral Resources (BLM acres)	Potential Mineral Resource Impacts within BLM Land Designations (BLM acres)						
		SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation[2] (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Locatable Mineral Areas	4,000	900	0	2,000	0	0	80	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	3,000	800	50	2,000	0	0	80	0
CDCA Area Outside the DRECP Plan Area Boundary								
Geothermal Resources	23,000	0	16,000	6,000	0	14,000	0	0
High Potential Mineral Areas	176,000	37,000	33,000	27,000	0	5,000	0	0
High Priority Mineral & Energy Locations	2,000	0	0	0	0	0	0	0
Rare Earth Element Areas	19,000	80	2,000	3,000	0	0	0	0
Locatable Mineral Areas	7,000	100	200	5,000	0	100	0	0
Leasable Mineral Areas	0	0	0	0	0	0	0	0
Mineral Material Areas	5,000	0	200	3,000	0	700	0	0
Total								
Geothermal Resources	127,000	24,000	19,000	23,000	0	14,000	0	1
High Potential Mineral Areas	992,000	76,000	216,000	170,000	71,000	22,000	11,000	5
High Priority Mineral & Energy Locations	78,000	7,000	100	11,000	1,000	4,000	0	0
Rare Earth Element Areas	59,000	100	11,000	23,000	0	0	0	0
Locatable Mineral Areas	308,000	13,000	119,000	47,000	0	2,000	100	0
Leasable Mineral Areas	70,000	0	5,000	0	44,000	0	0	0
Mineral Material Areas	97,000	16,000	21,000	17,000	0	2,000	600	1

[1]Excludes NLCS, and ACECs
[2]Excludes NLCS

Appendix R2.16 Livestock Grazing

This appendix presents data supporting the analysis in Volume IV, Chapter IV.16. This appendix is organized as follows.

- Section R2.16.1 – No Action Alternative – BLM Grazing Allotments: Tables R2.16-1 through R2.16-4
- Section R2.16.2 – Preferred Alternative – BLM Grazing Allotments: Tables R2.16-5 through R2.16-8
- Section R2.16.3 – Alternative 1 – BLM Grazing Allotments: Tables R2.16-9 through R2.16-12
- Section R2.16.4 – Alternative 2 – BLM Grazing Allotments: Tables R2.16-13 through R2.16-16
- Section R2.16.5 – Alternative 3 – BLM Grazing Allotments: Tables R2.16-17 through R2.16-20
- Section R2.16.6 – Alternative 4 – BLM Grazing Allotments: Tables R2.16-21 through R2.16-24

Note on Rounding of Data. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

R2.16.1 No Action Alternative BLM Grazing Allotments

Table R2.16-1
Potential Acres of Grazing Allotment Impacts by Technology Type and Area – No Action Alternative

Area	Grazing Allotment (acres)	Potential Grazing Allotment Impacts by Technology Type (acres)				
		Solar†	Wind‡	Geothermal*	Transmission	Total Impacts
Cadiz Valley and Chocolate Mountains	111,000	2,000	0	0	0	2,000
Imperial and Borrego Valley	0	0	0	0	0	0
Kingston and Funeral Mountains	284,000	4,000	0	0	0	4,000
Mojave and Silurian Valley	147,000	0	0	0	200	200
Owens River Valley	149,000	0	0	0	0	0
Panamint Death Valley	146,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	254,000	0	100	0	100	200
Piute Valley and Sacramento Mountains	25,000	0	0	0	0	0
Providence and Bullion Mountains	371,000	4,000	0	0	300	4,300
West Mojave and Eastern Slopes	363,000	1,000	600	0	700	2,300
CDCA Area Outside the DRECP Boundary	350,000	0	0	0	0	0
Total	**2,200,000**	**11,000**	**700**	**0**	**1,300**	**13,000**

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-2
Potential Acres of Grazing Allotment Impacts by Technology Type and BLM Land Use Plan Area – No Action Alternative

Land Use Plan Area	Potential Impacts by Technology Type (acres)			
	Solar†	*Wind*‡	*Geothermal**	*Transmission*
CDCA	11,000	700	0	1,300
Bakersfield RMP	30	20	0	0
Bishop RMP	0	0	0	0

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-3
Estimated Acres of Grazing Allotments on
BLM Land Designations – No Action Alternative

Area	Existing SRMAs (BLM acres)	Existing ACECs (BLM acres)	Areas Managed for Recreation Emphasis (BLM acres)
Cadiz Valley and Chocolate Mountains	0	32,600	0
Imperial Borrego Valley	0	0	0
Kingston and Funeral Mountains	0	63,300	0
Mojave and Silurian Valley	0	52,300	50,000
Owens River Valley	29,000	300	27,000
Panamint Death Valley	0	6,000	117,300
Pinto Lucerne and Eastern Slopes	0	109,300	186,000
Piute Valley and Sacramento Mountains	0	25,000	0
Providence and Bullion Mountains	0	177,300	500
West Mojave and Eastern Slopes	0	183,400	111,200
CDCA Area Outside the DRECP Boundary	0	8,000	217,000
Total	**29,000**	**657,500**	**709,000**

Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-4
Estimated Acres of Grazing Allotments on BLM Land Designations by BLM Land Use Plan Area – No Action Alternative

Area	Existing SRMAs (BLM acres)	Existing ACECs (BLM acres)	Areas Managed for Recreation Emphasis (BLM acres)
CDCA	0	657,500	709,000
Bakersfield RMP	0	50	50
Bishop RMP	29,000	0	0
Total	**29,000**	**657,500**	**709,000**

Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

R2.16.2 Preferred Alternative BLM Grazing Allotments

Table R2.16-5
Potential Acres of Grazing Allotment Impacts by Technology Type and Area – Preferred Alternative

Area	Grazing Allotments (acres)	Potential Grazing Allotment Impacts by Technology Type (acres)				
		Solar†	Wind‡	Geothermal*	Transmission	Total Impacts
Cadiz Valley and Chocolate Mountains	111,000	0	0	0	0	0
Imperial and Borrego Valley	0	0	0	0	0	0
Kingston and Funeral Mountains	284,000	0	0	0	2,000	2,000
Mojave and Silurian Valley	147,000	0	0	0	20	20
Owens River Valley	149,000	500	0	1,000	400	1,900
Panamint Death Valley	146,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	254,000	200	100	0	1,700	2,000
Piute Valley and Sacramento Mountains	25,000	0	0	0	0	0
Providence and Bullion Mountains	371,000	300	0	0	100	400
West Mojave and Eastern Slopes	363,000	4,000	100	0	3,900	8,000
CDCA Area Outside the DRECP Boundary	350,000	0	0	0	0	0
Total	**2,200,000**	**5,000**	**200**	**1,000**	**8,120**	**14,320**

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-6
Potential Acres of Grazing Allotment Impacts by Technology Type and BLM Land Use Plan Area – Preferred Alternative

Land Use Plan Area	Potential Impacts by Technology Type (acres)			
	Solar†	*Wind*‡	*Geothermal**	*Transmission*
CDCA	5,000	200	1,000	8,100
Bakersfield RMP	0	0	0	0
Bishop RMP	0	0	0	20

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-7
Estimated Acres of Grazing Allotments on BLM Land Designations – Preferred Alternative

Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains	0	59,000	19,000	0	7,000	0	0
Imperial Borrego Valley	0	0	0	0	0	0	0
Kingston and Funeral Mountains	8,000	81,000	56,000	0	0	19,000	9.6
Mojave and Silurian Valley	16,000	24,000	106,000	0	13,000	9,000	7.0
Owens River Valley	27,000	39,000	26,000	0	0	0	0
Panamint Death Valley	76,000	5,000	65,000	0	0	0	0
Pinto Lucerne and Eastern Slopes	71,000	102,000	64,000	0	2,000	0	0
Piute Valley and Sacramento Mountains	0	25,000	0	0	24,000	0	0
Providence and Bullion Mountains	0	171,000	127,000	0	97,000	1,000	0.8
West Mojave and Eastern Slopes	64,000	97,000	140,000	6,000	2,000	22,000	35.7
CDCA Area Outside the DRECP Boundary	100	89,000	43,000	0	100	0	0.5
Total	**262,000**	**691,000**	**646,000**	**6,000**	**145,100**	**51,000**	**53.6**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
LLPAs were not removed from designations (overlap may exist)

Note: There is overlap between some, but not all, BLM land designations, such as overlap of ACECs and National Scenic and Historic Trail management corridors or managed LWCs. This overlap may result in the appearance of greater acres of overlap between mineral resources and conservation lands than actually exists. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-8
Estimated Acres of Grazing Allotments on
BLM Land Designations by BLM Land Use Plan Area – Preferred Alternative

BLM Land Use Plan Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
CDCA	236,050	691,000	626,000	0	145,000	51,000	53.3
Bakersfield RMP	100	0	100	6,000	0	0	0.3
Bishop RMP	26,000	0	20,000	0	0	0	0
Total	**262,000**	**691,000**	**646,000**	**6,000**	**145,000**	**51,000**	**53.6**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
LLPAs were not removed from designations (overlap may exist)
Note: There is overlap between some, but not all, BLM land designations, such as overlap of ACECs and National Scenic and Historic Trail management corridors or managed LWCs. This overlap may result in the appearance of greater acres of overlap between mineral resources and conservation lands than actually exists. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

R2.16.3 Alternative 1 BLM Grazing Allotments

Table R2.16-9
Estimated Acres of Grazing Allotment Impacts by Technology Type and Area – Alternative 1

Area	Grazing Allotments (acres)	Potential Grazing Allotment Impacts by Technology Type (acres)				
		Solar†	Wind‡	Geothermal*	Transmission	Total Impacts
Cadiz Valley and Chocolate Mountains	111,000	0	0	0	0	0
Imperial and Borrego Valley	0	0	0	0	0	0
Kingston and Funeral Mountains	284,000	0	0	0	0	0
Mojave and Silurian Valley	147,000	0	0	0	30	30
Owens River Valley	149,000	4,000	0	0	1,000	5,000
Panamint Death Valley	146,000	0	0	0	0	0
Pinto Lucerne Valley and Eastern Slopes	254,000	500	0	0	1,000	1,500
Piute Valley and Sacramento Mountains	25,000	0	0	0	0	0
Providence and Bullion Mountains	371,000	300	0	0	100	400
West Mojave and Eastern Slopes	363,000	400	0	0	200	600
CDCA Area Outside the DRECP Boundary	350,000	0	0	0	0	0
Total	**2,200,000**	**5,200**	**0**	**0**	**2,330**	**7,530**

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-10
Potential Acres of Grazing Allotment Impacts by Technology Type and BLM Land Use Plan Area – Alternative 1

Land Use Plan Area	Potential Impacts by Technology Type (acres)			
	Solar†	*Wind*‡	*Geothermal**	*Transmission*
CDCA	5,200	0	0	2,230
Bakersfield RMP	0	0	0	0
Bishop RMP	0	0	0	100

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table IV.16-11
Estimated Acres of Grazing Allotments on BLM Land Designations – Alternative 1

Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains	0	0	78,000	0	0	0	0
Imperial Borrego Valley	0	0	0	0	0	0	0
Kingston and Funeral Mountains	7,000	29,000	110,000	0	0	10,000	10
Mojave and Silurian Valley	16,000	17,000	55,000	0	0	0	7
Owens River Valley	30,000	6,000	38,000	0	0	0	0
Panamint Death Valley	76,000	5,000	65,000	0	0	0	0
Pinto Lucerne and Eastern Slopes	87,000	40,000	115,000	6,000	0	0	0
Piute Valley and Sacramento Mountains	0	700	24,000	0	0	0	0
Providence and Bullion Mountains	100	72,000	168,000	0	0	300	1
West Mojave and Eastern Slopes	69,000	38,000	213,000	6,000	0	9,000	36
CDCA Area Outside the DRECP Boundary	4,000	57,000	44,000	0	0	50	0
Total	**289,100**	**264,700**	**910,000**	**12,000**	**0**	**19,350**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table IV.16-12
Estimated Acres of Grazing Allotments on BLM Land Designations by BLM Land Use Plan Area –Alternative 1

BLM Land Use Plan Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
CDCA	263,100	264,700	904,900	6,000	0	19,300	51
Bakersfield RMP	0	0	100	6,000	0	50	3
Bishop RMP	26,000	0	5,000	0	0	0	0
Total	**289,100**	**264,700**	**910,000**	**12,000**	**0**	**19,350**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

R2.16.4 Alternative 2 BLM Grazing Allotments

Table R2.16-13
Potential Acres of Grazing Allotment Impacts by Technology Type and Area – Alternative 2

Area	Grazing Allotments (acres)	Potential Grazing Allotment Impacts by Technology Type (acres)				
		Solar†	Wind‡	Geothermal*	Transmission	Total Impacts
Cadiz Valley and Chocolate Mountains	111,000	0	0	0	0	0
Imperial and Borrego Valley	0	0	0	0	0	0
Kingston and Funeral Mountains	284,000	500	100	0	300	900
Mojave and Silurian Valley	147,000	0	0	0	100	100
Owens River Valley	149,000	300	0	800	350	1,450
Panamint Death Valley	146,000	0	0	0	40	40
Pinto Lucerne Valley and Eastern Slopes	254,000	200	100	0	2,000	2,300
Piute Valley and Sacramento Mountains	25,000	0	0	0	0	0
Providence and Bullion Mountains	371,000	100	100	0	300	500
West Mojave and Eastern Slopes	363,000	6,400	100	0	200	6,700
CDCA Area Outside the DRECP Boundary	350,000	0	0	0	0	0
Total	**2,200,000**	**7,500**	**400**	**800**	**3,290**	**11,990**

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-14
Potential Acres of Grazing Allotment Impacts by Technology Type and BLM Land Use Plan Area – Alternative 2

Land Use Plan Area	Potential Impacts by Technology Type (acres)			
	Solar†	*Wind*‡	*Geothermal**	*Transmission*
CDCA	7,500	400	800	3,260
Bakersfield RMP	0	0	0	0
Bishop RMP	0	0	0	30

† Includes ground-mounted distributed generation

‡ Wind development project area

* Geothermal project area

Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-15
Estimated Acres of Grazing Allotments on BLM Land Designations – Alternative 2

Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains	0	59,000	19,000	0	0	0	0
Imperial Borrego Valley	0	0	0	0	0	0	0
Kingston and Funeral Mountains	3,300	164,000	7,300	0	9,500	118,000	10
Mojave and Silurian Valley	16,000	47,000	13,000	0	15,500	111,000	7
Owens River Valley	32,000	40,000	5,000	0	1,000	81,000	0
Panamint Death Valley	68,500	76,000	1,400	0	2,000	0	0
Pinto Lucerne and Eastern Slopes	86,000	140,000	2,000	0	0	78,500	0
Piute Valley and Sacramento Mountains	0	25,000	0	0	0	0	0
Providence and Bullion Mountains	0	182,000	68,400	0	35,500	64,000	1
West Mojave and Eastern Slopes	57,000	209,400	60,000	60	16,000	204,400	36
CDCA Area Outside the DRECP Boundary	4,000	175,000	93,000	0	0	21,000	0
Total	**266,800**	**1,117,400**	**269,100**	**60**	**79,500**	**677,900**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-16
Estimated Acres of Grazing Allotments on BLM Land Designations by BLM Land Use Plan Area – Alternative 2

BLM Land Use Plan Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
CDCA	237,800	1,117,400	258,100	0	79,500	619,900	200
Bakersfield RMP	0	0	6,000	60	50	7,000	3
Bishop RMP	29,000	0	5,000	0	0	51,000	0
Total	**266,800**	**1,117,400**	**269,100**	**60**	**79,500**	**677,900**	**0**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

R2.16.5 Alternative 3 BLM Grazing Allotments

Table R2.16-17
Potential Acres of Grazing Allotment Impacts by Technology Type and Ecoregion Subarea – Alternative 3

Area	Grazing Allotments (acres)	Potential Grazing Allotment Impacts by Technology Type (acres)				
		Solar†	Wind‡	Geothermal*	Transmission	Total Impacts
Cadiz Valley and Chocolate Mountains	111,000	0	0	0	0	0
Imperial and Borrego Valley	0	0	0	0	0	0
Kingston and Funeral Mountains	284,000	0	0	0	0	0
Mojave and Silurian Valley	147,000	0	0	0	20	20
Owens River Valley	149,000	1,000	0	0	400	1,400
Panamint Death Valley	146,000	0	0	0	500	500
Pinto Lucerne Valley and Eastern Slopes	254,000	500	50	0	1,000	1,550
Piute Valley and Sacramento Mountains	25,000	0	0	0	0	0
Providence and Bullion Mountains	371,000	500	0	0	100	600
West Mojave and Eastern Slopes	363,000	800	20	0	400	1,220
CDCA Area Outside the DRECP Boundary	350,000	0	0	0	0	0
Total	**2,200,000**	**2,800**	**70**	**0**	**2,420**	**5,290**

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-18
Potential Acres of Grazing Allotment Impacts by Technology Type and BLM Land Use Plan Area – Alternative 3

Land Use Plan Area	Potential Impacts by Technology Type (acres)			
	Solar†	*Wind*‡	*Geothermal**	*Transmission*
CDCA	2,800	70	0	2,400
Bakersfield RMP	0	0	0	0
Bishop RMP	0	0	0	20

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-19
Estimated Acres of Grazing Allotments on BLM Land Designations – Alternative 3

Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains	0	44,000	34,200	0	0	0	0
Imperial Borrego Valley	0	0	0	0	0	0	0
Kingston and Funeral Mountains	7,000	78,000	61,000	0	9,500	118,000	10
Mojave and Silurian Valley	16,400	21,500	52,000	0	15,500	111,000	7
Owens River Valley	32,000	38,400	6,400	0	1,000	81,000	0
Panamint Death Valley	76,000	5,000	65,300	0	2,000	0	0
Pinto Lucerne and Eastern Slopes	93,000	98,000	58,300	0	0	78,500	0
Piute Valley and Sacramento Mountains	0	25,000	0	0	0	0	0
Providence and Bullion Mountains	0	166,000	74,000	0	35,500	64,000	1
West Mojave and Eastern Slopes	70,000	117,000	137,000	4,400	16,000	204,400	36
CDCA Area Outside the DRECP Boundary	4,000	66,300	93,000	0	0	100	0
Total	**298,400**	**659,200**	**581,200**	**4,400**	**79,500**	**657,000**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-20
Estimated Acres of Grazing Allotments on BLM Land Designations by BLM Land Use Plan Area – Alternative 3

BLM Land Use Plan Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
CDCA	269,400	659,200	574,200	0	79,500	599,000	51
Bakersfield RMP	0	0	2,000	4,400	50	7,000	3
Bishop RMP	29,000	0	5,000	0	0	51,000	0
Total	**298,400**	**659,200**	**581,200**	**4,400**	**79,500**	**657,000**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

R2.16.6 Alternative 4 BLM Grazing Allotments

Table R2.16-21
Potential Acres of Grazing Allotment Impacts by Technology Type and Ecoregion Subarea – Alternative 4

Area	Grazing Allotments (acres)	Potential Grazing Allotment Impacts by Technology Type (acres)				
		Solar†	Wind‡	Geothermal*	Transmission	Total Impacts
Cadiz Valley and Chocolate Mountains	111,000	0	0	0	0	0
Imperial and Borrego Valley	0	0	0	0	0	0
Kingston and Funeral Mountains	284,000	0	0	0	0	0
Mojave and Silurian Valley	147,000	0	0	0	0	0
Owens River Valley	149,000	800	0	1,000	400	2,200
Panamint Death Valley	146,000	0	0	0	250	250
Pinto Lucerne Valley and Eastern Slopes	254,000	50	50	0	600	700
Piute Valley and Sacramento Mountains	25,000	0	0	0	0	0
Providence and Bullion Mountains	371,000	100	0	0	100	200
West Mojave and Eastern Slopes	363,000	800	100	0	200	1,100
CDCA Area Outside the DRECP Boundary	350,000	0	0	0	0	0
Total	**2,200,000**	**1,750**	**150**	**1,000**	**1,550**	**4,450**

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-22
Potential Acres of Grazing Allotment Impacts by Technology Type and BLM Land Use Plan Area – Alternative 4

Land Use Plan Area	Potential Impacts by Technology Type (acres)			
	Solar†	*Wind*‡	*Geothermal**	*Transmission*
CDCA	1,750	150	1,000	1,500
Bakersfield RMP	0	0	0	0
Bishop RMP	0	0	0	50

† Includes ground-mounted distributed generation
‡ Wind development project area
* Geothermal project area
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-23
Estimated Acres of Grazing Allotments on BLM Land Designations – Alternative 4

Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
Cadiz Valley and Chocolate Mountains	0	22,000	42,000	0	0	0	0
Imperial Borrego Valley	0	0	0	0	0	0	0
Kingston and Funeral Mountains	7,000	76,000	62,000	0	9,000	35,000	10
Mojave and Silurian Valley	16,000	18,000	38,000	0	5,000	10,000	7
Owens River Valley	32,000	26,000	14,000	0	800	0	0
Panamint Death Valley	76,000	5,000	65,000	0	2,000	0	0
Pinto Lucerne and Eastern Slopes	93,000	81,000	69,000	0	0	800	0
Piute Valley and Sacramento Mountains	0	24,000	1,000	0	0	0	0
Providence and Bullion Mountains	0	97,000	135,000	0	35,000	2,000	1
West Mojave and Eastern Slopes	66,000	94,000	157,000	6,000	0	32,000	36
CDCA Area Outside the DRECP Boundary	4,000	68,000	93,000	0	0	50	0
Total	**294,000**	**511,000**	**676,000**	**6,000**	**51,800**	**79,850**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Table R2.16-24
Estimated Acres of Grazing Allotments on BLM Land Designations by BLM Land Use Plan Area –Alternative 4

BLM Land Use Plan Area	Grazing Allotments in BLM Land Designations (BLM acres)						
	SRMAs[1] (acres)	*NLCS (acres)*	*ACEC[2] (acres)*	*Wildlife Allocation (acres)*	*Managed LWC (acres)*	*Trail Management Corridors (acres/miles)*	
CDCA	265,000	511,000	675,400	0	51,800	79,800	54
Bakersfield RMP	0	0	100	6,000	0	50	
Bishop RMP	29,000	0	500	0	0	0	0
Total	**294,000**	**511,000**	**676,000**	**6,000**	**51,800**	**79,850**	**54**

[1] Excludes NLCS and ACEC lands
[2] Excludes NLCS lands
LWC – Lands with wilderness characteristics
Note: The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total in the table.

Appendix R2.18 Outdoor Recreation

This appendix presents data supporting the analysis in Volume IV, Chapter IV.18. This appendix is organized as follows.

- Section R2.18.1 – No Action Alternative: Tables R2.18-1 through R2.18-4
- Section R2.18.2 – Preferred Alternative: Tables R2.18-5 and R2.18-6
- Section R2.18.3 – Alternative 1: Tables R2.18-7 and R2.18-8
- Section R2.18.4 – Alternative 2: Tables R2.18-9 and R2.18-10
- Section R2.18.5 – Alternative 3: Tables R2.18-11 and R2.18-12
- Section R2.18.6 – Alternative 4: Tables R2.18-13 and R2.18-14

Note on Rounding of Data. The following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. In cases where subtotals are provided, the subtotals and the totals are individually rounded. The totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

R2.18.1 No Action Alternative

Table R2.18-1
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type — No Action Alternative

Land Management Agency	Lands with Recreation Management in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Cadiz Valley and Chocolate Mountains Subarea					
BLM[1]	0	0	0	0	0
NPS[2]	44,000	80	0	0	0
State Parks[3]	7,000	0	0	0	0
Imperial and Borrego Valley Subarea					
BLM[1]	468,000	5,000	500	400	1,000
NPS[2]					
State Parks[3]	278,000	400	40	30	20
Kingston and Funeral Mountains Subarea					
BLM[1]	60,000	400	0	0	0
NPS[2]	1,098,000	1,000	0	0	0
State Parks[3]					
Mojave and Silurian Valley Subarea					
BLM[1]	327,000	0	0	0	100
NPS[2]	234,000	0	0	0	0
State Parks[3]					
Owens River Valley Subarea					
BLM[1]	62,000	0	0	0	0
NPS[2]	800	0	0	0	0
State Parks[3]					
Panamint Death Valley Subarea					
BLM[1]	124,000	0	0	0	0
NPS[2]	1,204,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0

Table R2.18-1
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type — No Action Alternative

Land Management Agency	Lands with Recreation Management in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Pinto Lucerne Valley and Eastern Slopes Subarea					
BLM[1]	247,000	10	80	0	70
NPS[2]	546,000	10	0	0	0
State Parks[3]	0	0	0	0	0
Piute Valley and Sacramento Mountains Subarea					
BLM[1]	24,000	0	0	0	0
NPS[2]	15,000	0	0	0	0
State Parks[3]					
Providence and Bullion Mountains Subarea					
BLM[1]	1,000	0	0	0	0
NPS[2]	738,000	0	0	0	0
State Parks[3]	6,000	0	0	0	0
West Mojave and Eastern Slopes Subarea					
BLM[1]	511,000	2,000	900	0	200
NPS[2]					
State Parks[3]	24,000	10	10	0	10
Total					
BLM[1]	1,823,000	7,000	1,000	400	2,000
NPS[2]	3,880,000	1,000	0	0	0
State Parks[3]	323,000	400	50	30	30

NOTE: All acreages derived from best available data.
[1] Includes Existing SRMAs, ERMAs, and OHV Areas
[2] Existing transmission corridors across NPS lands
[3] Includes State Parks-managed parks, recreation areas, and SVRAs
† Includes ground-mounted distributed generation
‡ Footprint
* Project Area

Table R2.18-2
Estimated Acres of Recreation in Conservation*—No Action Alternative

Land Management Agency	Lands Available for Recreation	Existing Protected Areas (acres)	BLM Conservation Designations (acres)
Total			
BLM[1]	9,929,000	2,843,000	623,000
NPS[2]	3,820,000	3,730,000	0
State Parks[3]	1,601,000	299,000	400
CDFW	904,000	187,000	300
National Trails	600	200	80
Wild and Scenic Rivers	20	0	0

NOTE: All acreages derived from best available data.
[1] Includes BLM-managed wilderness, SRMAs, ERMAs, and OHV Areas
[2] Includes NPS-managed wilderness, parks, and preserves
[3] Includes State Parks-managed parks, recreation areas, and SVRAs
*Project-by-project mitigation generated from renewable energy and transmission development is not reflected in this tabular summary.

Table R2.18-3
Estimated BLM Recreation Lands in existing BLM Land Designations — No Action Alternative

BLM Recreation Lands	Total on BLM Lands (acres)	Existing ACECs (acres)	Existing Wildlife Allocations (acres)
CDCA			
Areas Managed for Recreation Emphasis	1,758,000	719,000	0
SRMA	193,000	26,000	0
ERMA	0	0	0
OHV	375,000	9,000	0
Caliente			
SRMA	0	0	0
ERMA	0	0	0
OHV	0	0	0
Bishop			
SRMA	29,000	0	0
ERMA	0	0	0
OHV	0	0	0

Table R2.18-4
Estimated Recreation within Existing BLM Land Designations Out of Plan Area — No Action Alternative

BLM Recreation Lands	Total on BLM Lands (acres)	Existing ACECs (acres)	Existing Wildlife Allocations (acres)
SRMA	661,000	56,000	
ERMA	405,000	82,000	
OHV	3,000	0	

R2.18.2 Preferred Alternative

Table R2.18-5
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type — Preferred Alternative

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Cadiz Valley and Chocolate Mountains Subarea					
BLM[1]	572,000	0	0	0	3,000
NPS[2]	44,000	0	0	0	10
State Parks[3]	7,000	0	0	0	0
Imperial and Borrego Valley Subarea					
BLM[1]	234,000*	1,000	200	600	300
NPS[2]					
State Parks[3]	278,000	0	0	0	300
Kingston and Funeral Mountains Subarea					
BLM[1]	289,000	100	0	0	0
NPS[2]	1,098,000	0	0	0	0
State Parks[3]					
Mojave and Silurian Valley Subarea					
BLM[1]	308,000	0	0	0	60
NPS[2]	234,000	0	0	0	0
State Parks[3]					
Owens River Valley Subarea					
BLM[1]	51,000	0	0	0	60
NPS[2]	800	0	0	0	0
State Parks[3]					
Panamint Death Valley Subarea					
BLM[1]	352,000	450	0	0	0
NPS[2]	1,204,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0

Table R2.18-5
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type — Preferred Alternative

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Pinto Lucerne Valley and Eastern Slopes Subarea					
BLM[1]	292,000	0	0	0	500
NPS[2]	546,000	0	0	0	20
State Parks[3]					
Piute Valley and Sacramento Mountains Subarea					
BLM[1]	489,000	0	0	0	0
NPS[2]	15,000	0	0	0	0
State Parks[3]					
Providence and Bullion Mountains Subarea					
BLM[1]	558,000	0	0	0	0
NPS[2]	738,000	0	0	0	0
State Parks[3]	6,000	0	0	0	0
West Mojave and Eastern Slopes Subarea					
BLM[1]	451,000	0	0	0	100
NPS[2]					
State Parks[3]	24,000	0	0	0	10
Total					
BLM[1]	3,596,000	2,000	70	900	4,000
NPS[2]	3,880,000	0	0	0	30
State Parks[3]	323,000	200	0	100	300

NOTE: All acreages derived from best available data.
[1] Includes Existing Areas Managed for Recreation Emphasis, SRMAs and OHV Areas
[2] Existing transmission corridors across NPS lands. NPS acreages were not updated and remain the same as in the Draft EIR/EIS.
[3] Includes State Parks-managed parks, recreation areas, and SVRAs. State Parks acreages were not updated and remain the same as in the Draft EIR/EIS.
† Includes ground-mounted distributed generation
‡ Footprint
* Project Area

Table R2.18-6
Estimated Acres of Recreation Lands within BLM Land Designations Outside of Plan Area – Preferred Alternative

BLM Recreation Lands	Total on BLM Lands Outside the Plan Area	BLM LUPA Designation†			
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres /miles)	
SRMA	170,000	43,000	87,000	3,000	17.2
OHV Areas	3,000	0	0	0	0

†These designations overlap.

R2.18.3 Alternative 1

Table R2.18-7
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 1

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Cadiz Valley and Chocolate Mountains Subarea					
BLM[1]	290,000	0	0	0	2,000
NPS[2]	44,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0
Imperial and Borrego Valley Subarea					
BLM[1]	247,000	200	0	1,000	400
NPS[2]					
State Parks[3]	278,000	300	0	200	400
Kingston and Funeral Mountains Subarea					
BLM[1]	86,000	0	0	0	0
NPS[2]	1,098,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Mojave and Silurian Valley Subarea					
BLM[1]	245,000	0	0	0	60
NPS[2]	234,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Owens River Valley Subarea					
BLM[1]	50,000	0	0	0	500
NPS[2]	800	0	0	0	0
State Parks[3]					
Panamint Death Valley Subarea					
BLM[1]	354,000	0	0	0	0
NPS[2]	1,204,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0

Table R2.18-7
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 1

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Pinto Lucerne Valley and Eastern Slopes Subarea					
BLM[1]	270,000	0	0	0	600
NPS[2]	546,000	0	0	0	20
State Parks[3]	0	0	0	0	0
Piute Valley and Sacramento Mountains Subarea					
BLM[1]	308,000	0	0	0	0
NPS[2]	15,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Providence and Bullion Mountains Subarea					
BLM[1]	328,000	0	0	0	0
NPS[2]	738,000	0	0	0	0
State Parks[3]	6,000	0	0	0	0
West Mojave and Eastern Slopes Subarea					
BLM[1]	497,000	0	0	0	200
NPS[2]					
State Parks[3]	24,000	0	0	0	20
Total					
BLM[1]	2,676,000	200	0	1,000	4,000
NPS[2]	3,880,000	0	0	0	20
State Parks[3]	323,000	300	0	200	400

NOTE: All acreages derived from best available data.
[1] Includes BLM-managed areas managed for recreation emphasis, SRMAs, ERMAs, and OHV Areas
[2] Existing transmission corridors across NPS lands
[3] Includes State Parks-managed parks, recreation areas, and SVRAs
† Includes ground-mounted distributed generation
‡ Footprint
* Project Area

Table R2.18-8
Estimated Acres of Recreation Lands within BLM Land Designations Outside of Plan Area –Alternative 1

BLM Recreation Lands	Total on BLM Lands Outside the Plan Area	BLM LUPA Designation†			
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)	
SRMA	170,000	33,000	76,000	5,000	17.7
OHV Areas	3,000	0	0	0	0

†These designations overlap.

R2.18.4 Alternative 2

Table R2.18-9
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 2

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Cadiz Valley and Chocolate Mountains Subarea					
BLM[1]	285,000	200	60	0	2,000
NPS[2]	44,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0
Imperial and Borrego Valley Subarea					
BLM[1]	245,000	800	80	700	400
NPS[2]	0	0	0	0	0
State Parks[3]	278,000	200	0	100	200
Kingston and Funeral Mountains Subarea					
BLM[1]	86,000	0	0	0	40
NPS[2]	1,098,000	0	0	0	100
State Parks[3]	0	0	0	0	0
Mojave and Silurian Valley Subarea					
BLM[1]	245,000	10	0	0	50
NPS[2]	234,000	0	0	0	20
State Parks[3]	0	0	0	0	0
Owens River Valley Subarea					
BLM[1]	52,000	50	0	100	200
NPS[2]	800	0	0	0	0
State Parks[3]	0	0	0	0	0
Panamint Death Valley Subarea					
BLM[1]	351,000	0	0	0	40
NPS[2]	1,204,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0

Table R2.18-9
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 2

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Pinto Lucerne Valley and Eastern Slopes Subarea					
BLM[1]	260,000	0	0	0	1,000
NPS[2]	546,000	0	0	0	20
State Parks[3]	0	0	0	0	0
Piute Valley and Sacramento Mountains Subarea					
BLM[1]	308,000	0	0	0	0
NPS[2]	15,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Providence and Bullion Mountains Subarea					
BLM[1]	322,000	0	0	0	10
NPS[2]	738,000	0	0	0	0
State Parks[3]	6,000	0	0	0	0
West Mojave and Eastern Slopes Subarea					
BLM[1]	448,000	3,000	100	0	70
NPS[2]	0	0	0	0	0
State Parks[3]	24,000	0	0	0	10
Total					
BLM[1]	2,603,000	5,000	300	900	4,000
NPS[2]	3,880,000	0	0	0	200
State Parks[3]	323,000	200	0	100	200

NOTE: All acreages derived from best available data.
[1] Includes BLM-managed SRMAs, ERMAs, and OHV Areas
[2] Existing transmission corridors across NPS lands
[3] Includes State Parks-managed parks, recreation areas, and SVRAs
† Includes ground-mounted distributed generation
‡ Footprint
* Project Area

Table R2.18-10
Estimated Acres of Recreation Lands within BLM Land Designations Outside of Plan Area –Alternative 2

BLM Recreation Lands	Total on BLM Lands Outside the Plan Area	BLM LUPA Designation†			
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)	
SRMA	170,000	64,000	89,000	45,000	17.7
OHV Areas	3,000	0	0	3,000	0

†These designations overlap.

R2.18.5 Alternative 3

Table R2.18-11
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 3

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Cadiz Valley and Chocolate Mountains Subarea					
BLM[1]	285,000	0	0	0	2,000
NPS[2]	44,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0
Imperial and Borrego Valley Subarea					
BLM[1]	245,000	2,000	100	600	300
NPS[2]	0	0	0	0	0
State Parks[3]	278,000	400	0	200	300
Kingston and Funeral Mountains Subarea					
BLM[1]	86,000	0	0	0	0
NPS[2]	1,098,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Mojave and Silurian Valley Subarea					
BLM[1]	245,000	0	0	0	40
NPS[2]	234,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Owens River Valley Subarea					
BLM[1]	52,000	200	0	200	200
NPS[2]	800	0	0	0	0
State Parks[3]	0	0	0	0	0
Panamint Death Valley Subarea					
BLM[1]	354,000	0	0	0	500
NPS[2]	1,204,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0

Table R2.18-11
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 3

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Pinto Lucerne Valley and Eastern Slopes Subarea					
BLM[1]	270,000	200	30	0	700
NPS[2]	546,000	0	0	0	20
State Parks[3]	0	0	0	0	0
Piute Valley and Sacramento Mountains Subarea					
BLM[1]	308,000	0	0	0	0
NPS[2]	15,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Providence and Bullion Mountains Subarea					
BLM[1]	328,000	0	0	0	0
NPS[2]	738,000	0	0	0	0
State Parks[3]	6,000	0	0	0	0
West Mojave and Eastern Slopes Subarea					
BLM[1]	497,000	30	0	0	300
NPS[2]	0	0	0	0	0
State Parks[3]	24,000	0	0	0	30
Total					
BLM[1]	2,671,000	3,000	200	800	4,000
NPS[2]	3,880,000	0	0	0	30
State Parks[3]	323,000	400	0	200	300

NOTE: All acreages derived from best available data.
[1] Includes BLM-managed areas managed for recreation emphasis, SRMAs, and OHV Areas
[2] Existing transmission corridors across NPS lands
[3] Includes State Parks-managed parks, recreation areas, and SVRAs
† Includes ground-mounted distributed generation
‡ Footprint
* Project Area

Table R2.18-12
Estimated Acres of Recreation Lands within BLM Land Designations Outside of Plan Area –Alternative 3

BLM Recreation Lands	Total on BLM Lands Outside the Plan Area	BLM LUPA Designation†			
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)	
SRMA	170,000	42,000	89,000	32,000	17.2
OHV Areas	3,000	0	0	0	0

†These designations overlap.

R2.18.6 Alternative 4

Table R2.18-13
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 4

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Cadiz Valley and Chocolate Mountains Subarea					
BLM[1]	268,000	600	50	0	4,000
NPS[2]	44,000	0	0	0	10
State Parks[3]	7,000	0	0	0	0
Imperial and Borrego Valley Subarea					
BLM[1]	245,000	0	0	1,000	100
NPS[2]	0	0	0	0	0
State Parks[3]	278,000	200	0	200	70
Kingston and Funeral Mountains Subarea					
BLM[1]	85,000	0	0	0	0
NPS[2]	1,098,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Mojave and Silurian Valley Subarea					
BLM[1]	245,000	0	0	0	30
NPS[2]	234,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Owens River Valley Subarea					
BLM[1]	52,000	100	0	200	200
NPS[2]	800	0	0	0	0
State Parks[3]	0	0	0	0	0
Panamint Death Valley Subarea					
BLM[1]	354,000	400	0	0	200
NPS[2]	1,204,000	0	0	0	0
State Parks[3]	7,000	0	0	0	0

Table R2.18-13
Potential Acres of Recreation Impacts Plan-wide by Subarea and by Technology Type - Alternative 4

Land Management Agency	Lands Available for Recreation in Subarea	Potential Recreation Impacts—Solar† (acres)	Potential Recreation Impacts— Wind‡ (acres)	Potential Recreation Impacts— Geothermal* (acres)	Potential Recreation Impacts— Transmission (acres)
Pinto Lucerne Valley and Eastern Slopes Subarea					
BLM[1]	270,000	0	0	0	300
NPS[2]	546,000	0	0	0	10
State Parks[3]	0	0	0	0	0
Piute Valley and Sacramento Mountains Subarea					
BLM[1]	299,000	0	0	0	0
NPS[2]	15,000	0	0	0	0
State Parks[3]	0	0	0	0	0
Providence and Bullion Mountains Subarea					
BLM[1]	316,000	0	0	0	0
NPS[2]	738,000	0	0	0	0
State Parks[3]	6,000	0	0	0	0
West Mojave and Eastern Slopes Subarea					
BLM[1]	494,000	100	10	0	100
NPS[2]	0	0	0	0	0
State Parks[3]	24,000	0	0	0	10
Total					
BLM[1]	2,628,000	1,000	60	1,000	5,000
NPS[2]	3,880,000	0	0	0	20
State Parks[3]	323,000	200	0	200	80

NOTE: All acreages derived from best available data.
[1] Includes BLM-managed SRMAs, ERMAs, and OHV Areas
[2] Existing transmission corridors across NPS lands
[3] Includes State Parks-managed parks, recreation areas, and SVRAs
† Includes ground-mounted distributed generation
‡ Footprint
* Project Area

Table R2.18-14
Estimated Acres of Recreation Lands within BLM Land Designations Outside of Plan Area –Alternative 4

BLM Recreation Lands	Total on BLM Lands Outside the Plan Area	BLM LUPA Designation†			
		Proposed NLCS (acres)	Existing & Proposed ACECs (acres)	Trail Management Corridors (acres/miles)	
SRMA	170,000	40,000	89,000	17,000	17.2
OHV Areas	3,000	0	0	0	0

†These designations overlap.

Appendix R2.19 Transportation and Public Access

This appendix presents data supporting the analysis in Volume IV, Chapter IV.19. This appendix is organized as follows.

- Section R2.19.1 – No Action Alternative: Tables R2.19-1 through R2.19-3
- Section R2.19.2 – Preferred Alternative: Tables R2.19-4 through R2.19-6
- Section R2.19.3 – Alternative 1: Tables R2.19-7 through R2.19-9
- Section R2.19.4 – Alternative 2: Tables R2.19-10 through R2.19-12
- Section R2.19.5 – Alternative 3: Tables R2.19-13 through R2.19-15
- Section R2.19.6 – Alternative 4: Tables R2.19-16 through R2.19-18

R2.19.1 No Action Alternative

Table R2.19-1
Potential Linear Miles of Transportation Impacts on Bureau of Land Management Land Use Plan Amendment Lands – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
CDCA					
Federal Highways	616.2	1.6	0.0	0.0	0.4
State Routes	414.7	2.0	0.0	0.0	0.1
Railroads	480.4	5.3	0.2	0.1	1.6
BLM Routes	11,359.6	88.4	5.1	0.2	17.4
Caliente RMP					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.1	0.1	0.0	0.0
Bishop RMP					
Federal Highways	14.4	0.0	0.0	0.0	0.0
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.0
BLM Routes	258.2	0.0	0.0	0.0	0.0

Table R2.19-2
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Cadiz Valley and Chocolate Mountains Ecoregion Subarea				
Federal Highways	178.6	0.0	21.3	11.9%
State Routes	141.3	4.9	8.9	9.8%
Railroads	169.2	0.0	21.6	12.8%
Imperial and Borrego Valley Ecoregion Subarea				
Federal Highways	270.2	1.0	1.4	0.9%
State Routes	253.9	1.6	15.6	6.8%
Railroads	281.8	2.4	0.6	1.0%
Kingston and Funeral Mountains Ecoregion Subarea				
Federal Highways	87.2	6.9	17.6	28.1%
State Routes	111.8	6.2	0.6	6.1%
Railroads	68.4	49.7	12.6	91.1%
Mojave and Silurian Valley Ecoregion Subarea				
Federal Highways	173.8	13.3	3.1	9.4%
State Routes	38.6	1.0	2.7	9.6%
Railroads	124.3	17.0	13.4	24.4%
Owens River Valley Ecoregion Subarea				
Federal Highways	86.7	0.0	0.0	0.0%
State Routes	33.6	0.0	0.0	0.0%
Railroads	57.7	0.0	0.7	1.3%

Table R2.19-2
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Panamint Death Valley Ecoregion Subarea				
Federal Highways	7.4	0.0	0.0	0.0%
State Routes	161.3	34.9	0.0	21.7%
Railroads	47.2	0.0	2.2	4.5%
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea				
Federal Highways	50.0	0.0	0.0	0.0%
State Routes	140.4	0.0	3.1	2.2%
Railroads	50.2	0.0	0.0	0.0%
Piute Valley and Sacramento Mountains Ecoregion Subarea				
Federal Highways	124.3	1.7	43.1	36.0%
State Routes	0.0	0.0	0.0	0.0%
Railroads	44.8	0.0	8.3	18.5%
Providence and Bullion Mountains Ecoregion Subarea				
Federal Highways	200.2	4.1	20.3	12.2%
State Routes	29.0	9.5	6.3	54.4%
Railroads	155.2	4.3	27.3	20.4%
West Mojave and Eastern Slopes Ecoregion Subarea				
Federal Highways	232.4	0.0	13.6	5.9%
State Routes	448.3	0.2	14.4	3.3%
Railroads	452.0	0.0	18.0	4.0%

Table R2.19-2
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea – No Action Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Total				
Federal Highways	1,410.7	26.9	120.4	10.5%
State Routes	1,358.1	58.4	51.6	8.1%
Railroads	1,450.9	73.4	104.6	12.3%

Table R2.19-3
Estimated Linear Miles of Transportation in BLM Land Designations Outside DRECP Area – No Action Alternative

Transportation	Existing SRMAs (miles)	Existing ACECs (miles)
Federal Highways	3.3	42.5
State Routes	0.0	5.0
Railroads	2.9	10.2
BLM Routes	0.0	0.0

R2.19.2 Preferred Alternative

Table R2.19-4
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
CDCA					
Federal Highways	647.3	2.1	0.0	0.6	5.6
State Routes	456.5	1.4	0.1	0.6	0.5
Railroads	496.3	3.1	0.3	0.4	1.2
BLM Routes	10,986.4	71.9	6.2	6.1	15.2
Bakersfiled RMP					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.2	0.0	0.0	0.0	0.0
Railroads	0.0	0.0	0.0	0.0	0.0
BLM Routes	20.5	0.0	0.0	0.0	0.0
Bishop RMP					
Federal Highways	13.5	0.0	0.0	0.1	0.1
State Routes	21.3	0.0	0.0	0.0	0.0
Railroads	11.2	0.0	0.0	0.0	0.0
BLM Routes	253.6	0.0	0.0	0.0	0.2

Table R2.19-5
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Cadiz Valley and Chocolate Mountains Ecoregion Subarea				
Federal Highways	90.8	0.0	41.1	45.3%
State Routes	86.5	3.5	69.5	84.3%
Railroads	118.4	0.0	100.9	85.2%
Imperial and Borrego Valley Ecoregion Subarea				
Federal Highways	67.6	0.0	20.1	29.8%
State Routes	61.2	1.3	26.4	45.2%
Railroads	79.8	0.0	18.1	22.7%
Kingston and Funeral Mountains Ecoregion Subarea				
Federal Highways	65.8	0.8	27.6	43.1%
State Routes	87.1	2.5	65.2	77.8%
Railroads	12.6	0.0	12.6	100.0%
Mojave and Silurian Valley Ecoregion Subarea				
Federal Highways	66.8	0.0	21.9	32.9%
State Routes	35.3	1.0	26.3	77.4%
Railroads	38.8	2.2	21.7	61.4%
Owens River Valley Ecoregion Subarea				
Federal Highways	29.4	0.0	16.8	57.3%
State Routes	24.8	0.0	18.5	74.5%
Railroads	28.8	0.0	20.7	72.0%

Table R2.19-5
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Panamint Death Valley Ecoregion Subarea				
Federal Highways	6.9	0.0	4.8	69.6%
State Routes	31.1	0.0	29.5	94.9%
Railroads	34.3	0.0	11.8	34.3%
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea				
Federal Highways	3.3	0.0	2.0	60.3%
State Routes	20.9	0.0	11.1	53.3%
Railroads	9.8	0.0	1.4	14.6%
Piute Valley and Sacramento Mountains Ecoregion Subarea				
Federal Highways	90.1	0.0	57.7	64.1%
State Routes	0.0	0.0	0.0	0.0%
Railroads	22.3	0.0	12.1	54.4%
Providence and Bullion Mountains Ecoregion Subarea				
Federal Highways	158.5	0.1	124.0	78.3%
State Routes	24.1	9.5	11.7	87.9%
Railroads	107.2	4.3	95.8	93.3%
West Mojave and Eastern Slopes Ecoregion Subarea				
Federal Highways	56.4	0.0	16.7	29.7%
State Routes	51.2	0.0	33.9	66.2%
Railroads	39.7	0.0	27.1	68.2%

Table R2.19-5
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Preferred Alternative

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Total				
Federal Highways	682.4	0.9	368.1	54.1%
State Routes	481.9	17.8	316.2	69.3%
Railroads	512.2	6.4	331.8	66.0%

Table R2.19-6
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside DRECP Area – Preferred Alternative

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	35.2	34.6	0.0	0.4
State Routes	58.1	19.4	11.0	0.0	7.9
Railroads	18.6	7.8	7.8	0.0	1.4
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.3 Alternative 1

Table R2.19-7
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
CDCA					
Federal Highways	615.7	0.4	0.0	0.0	4.5
State Routes	412.9	0.7	0.0	0.2	0.7
Railroads	480.4	3.1	0.1	0.0	1.6
BLM Routes	11,339.0	34.4	0.7	1.9	16.1
Caliente RMP					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
Bishop RMP					
Federal Highways	14.4	0.1	0.0	0.0	0.3
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.2
BLM Routes	258.2	0.0	0.0	0.0	0.9

Table R2.19-8
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Cadiz Valley and Chocolate Mountains Ecoregion Subarea				
Federal Highways	178.6	0.0	6.8	6.0%
State Routes	141.3	4.9	18.3	16.5%
Railroads	169.2	0.0	102.8	62.9%
Imperial and Borrego Valley Ecoregion Subarea				
Federal Highways	270.2	1.0	4.4	2.3%
State Routes	253.9	1.6	12.4	6.7%
Railroads	281.8	2.4	23.4	10.0%
Kingston and Funeral Mountains Ecoregion Subarea				
Federal Highways	87.1	6.9	10.5	25.8%
State Routes	111.8	6.2	38.5	40.5%
Railroads	68.4	49.7	12.6	97.8%
Mojave and Silurian Valley Ecoregion Subarea				
Federal Highways	173.8	13.3	3.5	15.4%
State Routes	38.6	1.0	5.3	18.1%
Railroads	124.3	17.0	24.4	41.5%
Owens River Valley Ecoregion Subarea				
Federal Highways	86.7	0.0	10.9	17.4%
State Routes	33.6	0.0	13.6	41.8%
Railroads	57.7	0.0	28.4	72.3%

Table R2.19-8
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Panamint Death Valley Ecoregion Subarea				
Federal Highways	7.4	0.0	0.7	9.2%
State Routes	161.3	34.9	10.1	28.7%
Railroads	47.2	0.0	13.0	30.6%
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea				
Federal Highways	50.0	0.0	1.0	3.9%
State Routes	140.4	0.0	18.3	21.2%
Railroads	50.2	0.0	6.7	21.4%
Piute Valley and Sacramento Mountains Ecoregion Subarea				
Federal Highways	124.3	1.7	17.4	16.6%
State Routes	0.0	0.0	0.0	—
Railroads	44.7	0.0	8.6	22.1%
Providence and Bullion Mountains Ecoregion Subarea				
Federal Highways	200.2	4.1	47.4	25.9%
State Routes	29.0	9.5	6.2	54.1%
Railroads	155.2	4.3	101.3	76.4%
West Mojave and Eastern Slopes Ecoregion Subarea				
Federal Highways	232.4	0.0	9.3	7.4%
State Routes	448.3	0.2	28.2	9.0%
Railroads	452.0	0.0	45.6	21.3%

Table R2.19-8
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 1

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Total				
Federal Highways	1,410.6	26.9	111.9	12.3%
State Routes	1,358.1	58.4	150.9	17.6%
Railroads	1,450.9	73.4	366.7	37.6%

Table R2.19-9
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside DRECP Area – Alternative 1

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	0.1	34.6	0.0	0.0
State Routes	58.1	6.1	4.2	0.0	0.4
Railroads	18.6	1.3	7.8	0.0	0.0
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.4 Alternative 2

Table R2.19-10
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
CDCA					
Federal Highways	615.7	0.5	0.0	0.3	5.7
State Routes	412.9	0.8	0.1	0.1	0.6
Railroads	480.4	2.3	0.4	0.5	1.4
BLM Routes	11,339.0	75.6	14.7	7.4	19.8
Caliente RMP					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
Bishop RMP					
Federal Highways	14.4	0.0	0.0	0.1	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.1	0.0	0.3	0.1
BLM Routes	258.2	0.1	0.0	0.2	0.3

Table R2.19-11
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Cadiz Valley and Chocolate Mountains Ecoregion Subarea				
Federal Highways	178.6	0.0	7.1	5.6%
State Routes	141.3	4.9	20.3	17.9%
Railroads	169.2	0.0	102.3	62.9%
Imperial and Borrego Valley Ecoregion Subarea				
Federal Highways	270.2	1.0	5.7	2.7%
State Routes	253.9	1.6	20.7	9.9%
Railroads	281.8	2.4	58.3	22.4%
Kingston and Funeral Mountains Ecoregion Subarea				
Federal Highways	87.1	6.9	24.4	41.7%
State Routes	111.8	6.2	57.6	57.6%
Railroads	68.4	49.7	12.6	97.8%
Mojave and Silurian Valley Ecoregion Subarea				
Federal Highways	173.8	13.3	21.5	25.8%
State Routes	38.6	1.0	5.1	17.3%
Railroads	124.3	17.0	31.7	51.4%
Owens River Valley Ecoregion Subarea				
Federal Highways	86.7	0.0	12.5	19.3%
State Routes	33.6	0.0	13.7	42.1%
Railroads	57.7	0.0	25.2	66.9%

Table R2.19-11
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 2

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Panamint Death Valley Ecoregion Subarea				
Federal Highways	7.4	0.0	1.4	19.0%
State Routes	161.3	34.9	14.4	31.4%
Railroads	47.2	0.0	15.8	36.3%
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea				
Federal Highways	50.0	0.0	0.0	3.2%
State Routes	140.4	0.0	10.1	12.4%
Railroads	50.2	0.0	3.7	15.7%
Piute Valley and Sacramento Mountains Ecoregion Subarea				
Federal Highways	124.3	1.7	18.8	19.7%
State Routes	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	16.8	41.9%
Providence and Bullion Mountains Ecoregion Subarea				
Federal Highways	200.2	4.1	54.8	31.6%
State Routes	29.0	9.5	8.7	62.6%
Railroads	155.2	4.3	116.3	86.1%
West Mojave and Eastern Slopes Ecoregion Subarea				
Federal Highways	232.4	0.0	12.0	7.1%
State Routes	448.3	0.2	21.0	6.3%
Railroads	452.0	0.0	49.3	18.6%
Total				
Federal Highways	1,410.6	26.9	158.2	15.8%
State Routes	1,358.1	58.4	171.7	18.4%
Railroads	1,450.9	73.4	432.1	41.4%

Table R2.19-12
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside DRECP Area – Alternative 2

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	46.9	34.6	0.0	2.2
State Routes	58.1	54.9	11.0	0.0	11.8
Railroads	18.6	18.6	7.8	0.0	3.8
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.5 Alternative 3

Table R2.19-13
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
CDCA					
Federal Highways	615.7	1.0	0.0	0.4	4.1
State Routes	412.9	0.8	0.0	0.2	0.6
Railroads	480.4	3.2	0.1	0.6	1.3
BLM Routes	11,339.9	60.7	3.2	6.7	15.3
Caliente RMP					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
Bishop RMP					
Federal Highways	14.4	0.1	0.0	0.1	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.1
BLM Routes	258.2	0.0	0.0	0.0	0.3

Table R2.19-14
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea and by Technology Type – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Cadiz Valley and Chocolate Mountains Ecoregion Subarea				
Federal Highways	178.6	0.0	6.8	5.4%
State Routes	141.3	4.9	18.3	16.5%
Railroads	169.2	0.0	105.3	62.9%
Imperial and Borrego Valley Ecoregion Subarea				
Federal Highways	270.2	1.0	23.3	1.2%
State Routes	253.9	1.6	38.4	9.0%
Railroads	281.8	2.4	42.5	17.0%
Kingston and Funeral Mountains Ecoregion Subarea				
Federal Highways	87.1	6.9	52.8	25.8%
State Routes	111.8	6.2	71.8	40.5%
Railroads	68.4	49.7	12.8	97.8%
Mojave and Silurian Valley Ecoregion Subarea				
Federal Highways	173.8	13.3	34.0	21.3%
State Routes	38.6	1.0	30.6	19.0%
Railroads	124.3	17.0	24.0	42.8%

Table R2.19-14
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea and by Technology Type – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Owens River Valley Ecoregion Subarea				
Federal Highways	86.7	0.0	30.6	24.5%
State Routes	33.6	0.0	22.8	42.1%
Railroads	57.7	0.0	35.1	76.6%
Panamint Death Valley Ecoregion Subarea				
Federal Highways	7.4	0.0	5.2	9.2%
State Routes	161.3	34.9	34.4	31.6%
Railroads	47.2	0.0	13.2	30.4%
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea				
Federal Highways	50.0	0.0	13.6	3.9%
State Routes	140.4	0.0	37.0	19.4%
Railroads	50.2	0.0	11.5	19.1%
Piute Valley and Sacramento Mountains Ecoregion Subarea				
Federal Highways	124.3	1.7	63.8	15.5%
State Routes	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	16.4	30.4%

Table R2.19-14
Estimated Linear Miles of Transportation in Conservation Plan-wide by Ecoregion Subarea and by Technology Type – Alternative 3

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Providence and Bullion Mountains Ecoregion Subarea				
Federal Highways	200.2	4.1	144.6	26.7%
State Routes	29.0	9.5	16.6	54.1%
Railroads	155.2	4.3	139.7	86.3%
West Mojave and Eastern Slopes Ecoregion Subarea				
Federal Highways	232.4	0.0	38.8	7.4%
State Routes	448.3	0.2	78.2	8.6%
Railroads	452.8	0.0	50.9	20.6%
Total				
Federal Highways	1,410.6	26.9	477.6	13.2%
State Routes	1,358.2	58.4	419.7	18.0%
Railroads	1,450.9	73.4	464.2	40.2%

Table R2.19-15
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside DRECP Area – Alternative 3

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	21.2	34.6	0.0	0.4
State Routes	58.1	9.8	11.0	0.0	7.9
Railroads	18.6	2.7	7.8	0.0	1.4
BLM Routes	0.0	0.0	0.0	0.0	0.0

R2.19.6 Alternative 4

Table R2.19-16
Potential Linear Miles of Transportation Impacts Development Focus Areas on Bureau of Land Management Land Use Plan Amendment Lands – Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Potential Transportation Impacts—Solar (miles)	Potential Transportation Impacts— Wind (miles)	Potential Transportation Impacts— Geothermal (miles)	Potential Transportation Impacts— Transmission (miles)
CDCA					
Federal Highways	615.7	0.1	0.0	0.1	7.1
State Routes	412.9	0.3	0.0	0.2	0.3
Railroads	480.4	2.6	0.3	0.4	1.3
BLM Routes	11,339.0	43.6	3.7	4.7	16.7
Caliente RMP					
Federal Highways	0.0	0.0	0.0	0.0	0.0
State Routes	0.0	0.0	0.0	0.0	0.0
Railroads	0.6	0.0	0.0	0.0	0.0
BLM Routes	22.1	0.0	0.0	0.0	0.0
Bishop RMP					
Federal Highways	14.4	0.0	0.0	0.0	0.1
State Routes	20.5	0.0	0.0	0.0	0.0
Railroads	13.0	0.0	0.0	0.0	0.1
BLM Routes	258.2	0.0	0.0	0.0	0.4

Table R2.19-17
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Cadiz Valley and Chocolate Mountains Ecoregion Subarea				
Federal Highways	178.6	0.0	6.7	5.4%
State Routes	141.3	4.9	17.3	15.8%
Railroads	169.2	0.0	100.5	60.2%
Imperial and Borrego Valley Ecoregion Subarea				
Federal Highways	270.2	1.0	1.4	1.1%
State Routes	253.9	1.6	9.8	5.6%
Railroads	281.8	2.4	20.8	9.8%
Kingston and Funeral Mountains Ecoregion Subarea				
Federal Highways	87.1	6.9	10.3	25.8%
State Routes	111.8	6.2	38.5	40.5%
Railroads	68.4	49.7	12.6	97.8%
Mojave and Silurian Valley Ecoregion Subarea				
Federal Highways	173.8	13.3	6.0	16.8%
State Routes	38.6	1.0	2.6	13.8%
Railroads	124.3	17.0	22.9	41.2%
Owens River Valley Ecoregion Subarea				
Federal Highways	86.7	0.0	10.1	16.4%
State Routes	33.6	0.0	6.8	21.5%
Railroads	57.7	0.0	24.0	64.8%
Panamint Death Valley Ecoregion Subarea				
Federal Highways	7.4	0.0	0.7	9.2%
State Routes	161.3	34.9	15.4	31.6%
Railroads	47.2	0.0	13.0	30.6%

Table R2.19-17
Estimated Linear Miles of Transportation in Conservation Lands Plan-wide by Ecoregion Subarea – Alternative 4

Transportation	Transportation in Ecoregion Subarea (miles)	Existing Conservation Areas (miles)	BLM LUPA Conservation Designations (miles)	Percent in Conservation
Pinto Lucerne Valley and Eastern Slopes Ecoregion Subarea				
Federal Highways	50.0	0.0	1.0	3.9%
State Routes	140.4	0.0	14.1	19.2%
Railroads	50.2	0.0	6.5	18.2%
Piute Valley and Sacramento Mountains Ecoregion Subarea				
Federal Highways	124.3	1.7	15.8	15.5%
State Routes	0.0	0.0	0.0	0.0%
Railroads	44.7	0.0	8.6	22.1%
Providence and Bullion Mountains Ecoregion Subarea				
Federal Highways	200.2	4.1	43.6	25.1%
State Routes	29.0	9.5	5.7	52.4%
Railroads	155.2	4.3	115.2	79.3%
West Mojave and Eastern Slopes Ecoregion Subarea				
Federal Highways	232.4	0.0	9.3	7.4%
State Routes	448.3	0.2	20.9	7.5%
Railroads	452.8	0.0	44.2	19.6%
Total				
Federal Highways	1,410.6	26.9	104.9	11.9%
State Routes	1,358.1	58.4	131.2	16.3%
Railroads	1,450.9	73.4	368.3	36.6%

Table R2.19-18
Estimated Linear Miles of Transportation in Land Designations Bureau of Land Management Land Outside DRECP Area – Alternative 4

Transportation	Transportation in BLM LUPA Lands (miles)	BLM Land Designations			
		NLCS (miles)	Existing and Proposed ACECs (miles)	Wildlife Allocations (miles)	Tail Management Corridors (miles)
Federal Highways	46.9	0.8	34.6	0.0	0.0
State Routes	58.1	9.8	11.0	0.0	1.1
Railroads	18.6	1.4	7.8	0.0	0.0
BLM Routes	0.0	0.0	0.0	0.0	0.0

Appendix R2.20 Visual Resources

This appendix presents data supporting the analysis in Volume IV, Chapter IV.20. This appendix is organized as follows.

- Section R2.20.1 – No Action Alternative: Tables R2.20-1 through R2.20-2
- Section R2.20.2 – Preferred Alternative: Tables R2.20-3 through R2.20-4
- Section R2.20.3 – Alternative 1: Tables R2.20-5 through R2.20-6
- Section R2.20.4 – Alternative 2: Tables R2.20-7 through R2.20-8
- Section R2.20.5 – Alternative 3: Tables R2.20-9 through R2.20-10
- Section R2.20.6 – Alternative 4: Tables R2.20-11 through R2.20-12

Note on Rounding of Data. the following general rounding rules were applied to calculated values: values greater than 1,000 were rounded to nearest 1,000; values less than 1,000 and greater than 100 were rounded to the nearest 100; values of 100 or less were rounded to the nearest 10, and therefore totals may not sum due to rounding. in cases where subtotals are provided, the subtotals and the totals are individually rounded. the totals are not a sum of the rounded subtotals; therefore the subtotals may not sum to the total within the table.

R2.20.3.1 No Action Alternative

Table R2.20-1
Estimated Visual Resource Elements in Available Development Areas by Technology Type – No Action Alternative (acres/miles)

Visual Resource Elements	Visual Resource in LUPA Decision Area	Potential Visual Resources in Available Development Areas by Technology Type			
		Solar†	Wind‡	GT*	Transmission
BLM Visual Resource Inventory Classes:					
Class I	3,860,000	0	0	0	200
Class II	183,000	19,000	17,000	20	5,000
Class III	41,000	26,000	15,000	50	5,000
Class IV	71,000	16,000	19,000	10	3,000
Existing BLM Visual Resource Management Classes: (Bishop RMP and Imperial Sand Dunes RAMP):					
Class I	3,866,000	0	0	0	10
Class II	128,000	10	0	0	20
Class III	145,000	200	3,000	0	0
Class IV	22,000	0	0	0	10
National Byways:					
Bradshaw Trail	56	1	0	0	0
National Trails: Juan Bautista de Anza Trail	83	1	2	0	0
Old Spanish Trail - NHT	367	1	0	0	1
Pacific Crest Trail	114	1	15	0	0

† Includes ground-mounted distributed generation
‡ Wind development Project Area
* Geothermal Project Area

Table R2.20-2
Estimated Visual Resource Elements on BLM Land Designations in the LUPA Decision Area – No Action Alternative (acres/miles)

Visual Resource Elements	Existing SRMAs	Existing ACECs
BLM Visual Resource Inventory Classes:		
Class I	81,000	844,000
Class II	92,000	858,000
Class III	10,000	865,000
Class IV	19,500	762,000
Existing BLM Visual Resource Management Classes: (Bishop RMP, and Imperial Sand Dunes RAMP):		
Class I	81,000	844,000
Class II	75,000	5,000
Class III	17,000	2,000
Class IV	12,000	400
National Byways:		
Bradshaw Trail National Backcountry	6	23
National Trails:		
Juan Bautista De Anza Trail	12	21
Old Spanish National Historic Trail	20	55
Pacific Crest National Scenic Trail	18	31
Wild and Scenic Rivers:		
Amargosa River	6	16

R2.20.3.2 Preferred Alternative

Table R2.20-3
Estimated Visual Resource Elements within DFAs by Technology Type – Preferred Alternative (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Potential Visual Resource Impacts by Technology Type			
		Solar†	Wind‡	GT*	Transmission
BLM Visual Resource Inventory Classes:					
Class I	3,845,000	0	0	0	2,000
Class II	2,194,000	6,000	13,000	200	4,000
Class III	2,777,000	19,000	32,000	3,000	5,000
Class IV	1,965,000	13,000	12,000	3,000	2,000
BLM Visual Resource Management Classes[μ]:					
Class I	3,511,000	0	0	0	2,000
Class II	2,985,000	800	1,000	0	3,000
Class III	2,901,000	3,000	1,000	800	4,000
Class IV	1,377,000	34,000	54,000	5,000	5,000
National Byways:					
Bradshaw Trail	36	0	0	0	<1
National Trails:					
Old Spanish Trail - NHT	139	<1	<1	<1	<1
Pacific Crest Trail	69	0	0	0	<1
Juan Batista de Anza	57	<1	<1	<1	<1

† Includes ground-mounted distributed generation
‡ Wind development Project Area
* Geothermal Project Area
[μ]Proposed VRM Class

Table R2.20-4
Estimated Visual Resource Elements within BLM Land Designations – Preferred Alternative (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Visual Resources in BLM Land Designations†						
		SRMAs	NLCS	ACEC	Wildlife Allocation	LMWCs	Trail Management Corridors (acres/miles)	
BLM Visual Resource Inventory Classes:								
Class I	3,845,000	163,000	13,000	1,207,000	0	400	0	73
Class II	2,194,000	221,000	1,477,000	217,000	0	171,000	99,000	120
Class III	2,777,000	246,000	1,604,000	457,000	0	242,000	42,000	44
Class IV	1,965,000	140,000	827,000	691,000	18,000	132,000	16,000	35
BLM Visual Resource Management Classes:								
Class I	3,511,000	155,000	17,000	1,209,000	0	400	0	66
Class II	2,985,000	192,000	2,103,000	233,000	20	368,000	133,000	137
Class III	2,901,000	134,000	1,691,000	621,000	18,000	145,000	24,000	42
Class IV	1,377,000	284,000	104,000	519,000	0	32,000	0	27
National Byways:								
Bradshaw Trail	38	6	25	7	0	0		0
National Trails:								
Juan Bautista de Anza Trail	44	14	27	0	0	0		4
Old Spanish Trail - NHT	131	11	63	19	0	5		63
Pacific Crest Trail	77	29	31	14	3	0		31
Wild Scenic Rivers:								
Amargosa River	22	>1	16	5	0	0		4
Mojave River	9	0	2	4	0	0		0

Table R2.20-4
Estimated Visual Resource Elements within BLM Land Designations – Preferred Alternative (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Visual Resources in BLM Land Designations†						
		SRMAs	NLCS	ACEC	Wildlife Allocation	LMWCs	Trail Management Corridors (acres/miles)	
Surprise Canyon	4	0	0	4	0	1		0

†These designations overlap.

R2.20.3.3 Alternative 1

Table R2.20-5
Estimated Visual Resource Elements within DFAs by Technology Type – Alternative 1 (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area	Potential Visual Resources Impact by Technology Type			
		Solar†	Wind‡	GT*	Transmission
BLM Visual Resource Inventory Classes:					
Class I	3,197,000	0	0	0	1,000
Class II	1,918,000	3,000	600	100	3,000
Class III	2,739,000	6,000	400	2,000	5,000
Class IV	2,006,000	4,000	1,000	2,000	3,000
BLM Visual Resource Management Classes:					
Class I	3,203,000	0	0	0	1,000
Class II	2,606,000	0	0	0	2,000
Class III	2,445,000	0	0	0	5,000
Class IV	1,396,000	13,400	2,000	4,000	4,000
National Byways:					
Bradshaw Trail	26.7	0	0	0	.1
National Trails (miles):					
Old Spanish Trail - NHT	139.3	0	0	0	.2
Pacific Crest Trail	52	0	0	0	0
Juan Batista de Anza	25.8	.1	0	.2	.9

† Includes ground-mounted distributed generation
‡ Wind development Project Area
* Geothermal Project Area
µProposed VRM Class

Table R2.20-6
Estimated Visual Resource Elements within BLM LUPA Land Designations – Alternative 1 (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Visual Resources in BLM Land Designations†						
		SRMAs (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	LMWCs[1]	Trail Management Corridors (acres/miles)	
BLM Visual Resource Inventory Classes:								
Class I	3,826,000	207,000	30	847,000	0	0	37,000	
Class II	2,189,000	227,000	1,048,000	558,000	56,800	0	35,000	
Class III	2,866,000	355,000	494,000	1,258,000	272,800	0	14,000	
Class IV	2,041,000	159,000	115,000	1,133,000	255,700	0	11,000	
BLM Visual Resource Management Classes:								
Class I	3,833,000	205,000	5,000	63,000	200	0	48,000	61
Class II	2,901,000	253,000	1,624,000	146,000	62,800	0	60,000	131
Class III	2,531,000	309,000	19,000	395,000	371,600	0	0	65
Class IV	1,436,000	123,000	0	145,000	144,600	0	0	17
National Byways:						0		
Bradshaw Trail	35.1	6.3	17	9.1	6.7	0	0	0
National Trails:								
Juan Bautista de Anza Trail	25.8	12.4	.6	0	0	0	-	0
Old Spanish Trail - NHT	139.3	10	36	34.2	0	0	-	139.2
Pacific Crest Trail	69.6	33.5	21.4	22.9	3.1	0	-	69.2
Wild Scenic Rivers:								
Amargosa River	21.9	.6	16.3	4.6	0	0	-	10.6

[1] No lands would be managed for wilderness characteristics under Alternative 1 or 4.

R2.20.3.4 Alternative 2

Table R2.20-7
Estimated Visual Resource Elements within DFAs by Technology Type – Alternative 2 (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area	Potential Visual Resource Impacts by Technology Type			
		Solar†	Wind‡	GT*	Transmission
BLM Visual Resource Inventory Classes:					
Class I	3,197,000	0	0	0	1,000
Class II	1,918,000	5,000	34,000	400	3,000
Class III	2,006,000	20,000	63,000	3,000	5,000
Class IV	2,006,000	14,000	49,000	3,000	3,000
BLM Visual Resource Management Classes:					
Class I	3,201,000	0	0	0	1,000
Class II	3,272,000	0	0	0	4,200
Class III	2,414,000	0	0	0	4,000
Class IV	776,000	38,000	146,000	7,000	4,000
National Byways:					
Bradshaw Trail	26.7	0	0	0	.1
National Trails:					
Old Spanish Trail - NHT	139.3	.5	3.9	0	.2
Pacific Crest Trail	52	0	0	0	0
Juan Batista de Anza Trail	25.8	.1	0	.1	1.3

† Includes ground-mounted distributed generation
‡ Wind development Project Area
* Geothermal Project Area
[u]Proposed VRM Class

Table R2.20-8
Estimated Visual Resource Elements within BLM Land Designations – Alternative 2 (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Visual Resources in BLM Land Designations†						
		SRMAs (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	LMWCs (acres)	Trail Management Corridors (acres/miles)	
BLM Visual Resource Inventory Classes:								
Class I	3,827,000	245,000	200	746,000	0	400	1,097,000	
Class II	2,189,000	155,000	1,881,000	133,000	0	113,000	578,000	
Class III	2,866,000	223,000	2,270,000	111,000	0	119,000	468,000	
Class IV	2,041,067	134,000	1,561,000	76,000	60	85,000	437,000	
BLM Visual Resource Management Classes:								
Class I	3,831,000	243,000	9,000	745,000	0	400	1,094,000	61
Class II	3,561,000	242,000	3,292,000	142,000	0	316,000	1,483,000	134
Class III	2,551,000	136,000	2,375,000	103,000	60	0	70	59
Class IV	776,000	83,000	0	63,000	0	0	300	20
National Byways:								
Bradshaw Trail	35.1	11.7	21.5	9.5	0	0	-	0
National Trails:								
Juan Bautista de Anza Trail	25.8	8.1	15.6	0	0	0	-	5.7
Old Spanish Trail - NHT	139.3	10	74.8	3.8	0	9.4	-	138.3
Pacific Crest Trail	69.6	24.2	46.3	13.6	0	10.7	-	69.2
Wild Scenic Rivers:								
Amargosa River	21.9	.6	16.2	4.8	0	0	-	21.9

†These designations overlap

R2.20.3.5 Alternative 3

Table R2.20-9
Estimated Visual Resource Elements within DFAs by Technology Type – Alternative 3 (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Potential Visual Resource Impacts by Technology Type			
		Solar†	Wind‡	GT*	Transmission
BLM Visual Resource Inventory Classes:					
Class I	3,197,000	0	0	0	1,000
Class II	1,918,000	3,000	2,000	200	3,000
Class III	2,739,500	12,000	5,000	3,000	4,000
Class IV	2,006,000	14,000	7,000	4,000	3,000
BLM Visual Resource Management Classes:					
Class I	3,211,000	0	0	0	1,000
Class II	3,002,000	0	0	0	3,000
Class III	2,741,000	0	0	0	4,000
Class IV	704,000	0	0	0	4,000
National Byways:					
Bradshaw Trail	26.7	0	0	0	.1
National Trails:					
Old Spanish Trail - NHT	139.3	0	0	0	.2
Pacific Crest Trail	52.0	0	0	0	0
Juan Batista de Anza	25.8	.3	0	.2	.8

† Includes ground-mounted distributed generation
‡ Wind development Project Area
* Geothermal Project Area
µProposed VRM Class

Table R2.20-10
Estimated Visual Resource Elements within BLM LUPA Land Designations – Alternative 3 (acres/miles)

Visual Resource Elements	Visual Resources in LUPA Decision Area (acres)	Visual Resource in BLM Land Designations†						
		SRMAs (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	LMWCs (acres)	Trail Management Corridors (acres/miles)	
BLM Visual Resource Inventory Classes:								
Class I	3,827,000	207,000	40	847,000	0	400	978,000	
Class II	2,190,000	221,000	1,353,000	358,000	0	141,000	556,000	
Class III	2,867,000	274,000	1,473,000	708,000	0	144,000	454,000	
Class IV	2,041,000	155,000	795,000	791,000	13,000	89,000	433,000	
BLM Visual Resource Management Classes:								
Class I	3,842,000	205,000	5,000	847,000	0	400	1,010,000	61
Class II	3,278,000	193,000	2,187,000	599,000	5,000	374,000	1,105,000	143
Class III	2,891,000	338,000	1,164,000	1,098,000	8,000	0	326,000	38
Class IV	704,000	64,000	228,000	139,000	0	0	6,000	35
National Byways:								
Bradshaw Trail	35.1	6.3	2.5	11.5	0	0	-	0
National Trails:								
Juan Bautista de Anza Trail	25.8	12.1	1.3	0	0	0	-	5.7
Old Spanish Trail - NHT	139.3	10.0	52.0	21.8	0	17.2	-	138.3
Pacific Crest Trail	69.6	33.5	33.9	10.8	2.8	10.7	-	69.2
Wild Scenic Rivers:								
Amargosa River	21.9	.6	16.3	4.6	0	0	-	21.9

†These designations overlap.

R2.20.3.6 Alternative 4

Table R2.20-11
Estimated Visual Resource Elements within DFAs by Technology Type – Alternative 4 (acres/miles)

Visual Resource Elements	Visual Resource in LUPA Decision Area (acres)	Potential Visual Resource Impacts by Technology Type			
		Solar†	Wind‡	GT*	Transmission
BLM Visual Resource Inventory Classes:					
Class I	3,197,000	0	0	0	2,000
Class II	1,918,000	7,000	10,000	200	6,000
Class III	2,739,000	23,000	31,000	3,000	5,000
Class IV	2,006,000	3,000	5,000	2,000	1,000
BLM Visual Resource Management Classes:					
Class I	3,202,000	0	0	0	2,000
Class II	2,213,000	0	0	0	3,000
Class III	3,056,000	0	0	0	5,000
Class IV	1,174,000	33,000	46,000	5,000	4,000
National Byways:					
Bradshaw Trail	26.7	0	0	0	.2
National Trails:					
Old Spanish Trail - NHT	139.3	0	0	0	.1
Pacific Crest Trail	26.9	0	0	0	0
Juan Batista de Anza	25.8	.1	0	.2	.3

† Includes ground-mounted distributed generation
‡ Wind development Project Area
* Geothermal Project Area

Table R2.20-12
Estimated Visual Resource Elements within BLM LUPA Land Designations – Alternative 4 (acres/miles)

Visual Resource Elements	Visual Resource in BLM LUPA Lands (acres)	Visual Resource in BLM Land Designations						
		SRMAs (acres)	NLCS (acres)	ACEC (acres)	Wildlife Allocation (acres)	LMWCs (acres)	Trail Management Corridors (acres/miles)	
BLM Visual Resource Inventory Classes:								
Class I	3,827,000	238,000	30	801,000	0	400	140,000	
Class II	2,190,000	221,000	1,098,000	438,000	8,000	101,000	113,000	
Class III	2,866,000	282,000	1,101,000	700,000	123,000	83,000	53,000	
Class IV	2,041,000	153,000	645,000	615,000	144,000	71,000	36,000	
BLM Visual Resource Management Classes:								
Class I	3,832,000	236,000	4,800	802,000	0	400	128,600	61
Class II	2,496,000	187,000	1,781,000	292,000	40,000	255,400	196,000	132
Class III	3,172,000	286,000	1,041,000	876,000	99,000	0	10	64
Class IV	1,211,000	127,000	0	565,000	135,000	0	0	18
National Byways:								
Bradshaw Trail	31.0	8	17	9.1	0	0	-	0
National Trails:								
Juan Bautista de Anza Trail	25.8	12.1	0	0	0	0	-	.1
Old Spanish Trail - NHT	139.3	10.0	38	23	0	10.4	-	139.2
Pacific Crest Trail	59.9	16.3	26.1	18.2	3.1	0	-	66.2
Wild Scenic Rivers:								
Amargosa River	21.9	.6	16.3	4.6	0	0	-	14.3

[†]These designations overlap.